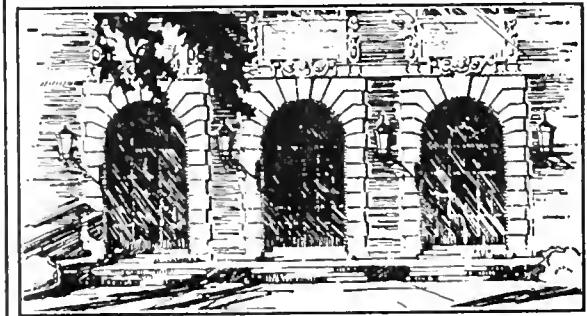




LIBRARY OF THE
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

016.7114
C73e

no. 273-279



CITY PLANNING &
LANDSCAPE ARCHITECTURE

016.7114

C73e

#273-279

UNIVERSITY OF ILLINOIS LIBRARY

Name

R. S. T.

Identification
Number

D-6-32

Address

100 E. CAROLINA

SOCIAL

LIBRARY

123-422322

Digitized by the Internet Archive
in 2010 with funding from
University of Illinois Urbana-Champaign

<http://www.archive.org/details/selectedbibliogr274cunn>

April 1972

274**A SELECTED BIBLIOGRAPHY ON THE RELEVANCE OF
ENVIRONMENTAL EDUCATION TO SECONDARY
SCHOOL CURRICULA**

Michael C. Cunningham

Assistant Professor of Urban Design

Virginia Polytechnic Institute and State University

and

Cheryl Bond Cunningham

Mrs. Mary Vance, Editor
Post Office Box 229
Monticello, Illinois 61856

THE LIBRARY OF THE

APR 7 1972

UNIVERSITY OF ILLINOIS
AT URBANA CHAMPAIGN

A SELECTED BIBLIOGRAPHY ON
THE RELEVANCE OF ENVIRONMENTAL EDUCATION
TO SECONDARY SCHOOL CURRICULA

Compiled By

Michael C. Cunningham
Assistant Professor of Urban Design
Virginia Polytechnic Institute and State University

and

Cheryl Bond Cunningham

Contents

	Numbers
Introduction.....	1 - 4
Part I Bibliographies.....	1 - 10
Part II Agencies and Organizations.....	11 - 31
Part III Journals.....	32 - 45
Part IV Environment.....	46 - 328
A. General.....	46 - 131
B. Urban Environment.....	132 - 268
C. Population.....	269 - 280
D. Environmental Resources.....	281 - 328
1. Food and Pesticides.....	281 - 295
2. Air.....	296 - 305
3. Water.....	306 - 318
4. Noise.....	319 - 323
5. Energy.....	324 - 328
Part V Environmental Education.....	329 - 452
A. General.....	329 - 372
B. Environmental Quality and Aesthetics...	373 - 385
C. Perception.....	386 - 401
D. Curricula and Programs.....	402 - 437
E. Techniques.....	438 - 452
Part VI Materials.....	453 - 642
A. Literature.....	453 - 566
B. Films and Filmstrips.....	567 - 630
C. Games.....	631 - 641
D. Posters.....	642

INTRODUCTION

The intention of this bibliography is to provide resources for the teacher of secondary school at several levels: 1. substantive information concerning the environment, and 2. means and methods of communicating that information in the classroom.

The bibliography deals primarily with the man-made environment rather than with environmental resources. An urban bias is intended--not one of conservation. The bibliography is selected, not exhaustive or comprehensive. Due to time constraints and the unavailability of some materials, not all entries are annotated and some lack complete bibliographic information. Such entries are included when they were thought to be of significant value. Entries are numbered but not cross-referenced.

The bibliography is organized into six parts: Bibliographies, Agencies and Organizations, Journals, Environment, Environmental Education and Materials.

Part I, Bibliographies, is for those who desire to look at related collections in more specific areas, for example, films, conservation and science. Part II, Agencies and Organizations, lists names and addresses of groups which can provide extensive materials about the environment or environmental education. Part III, Journals, enumerates many publications, the emphases of which are the environment. Nearly all magazines currently devote some attention to environmental problems. Part IV, Environment, is subdivided into sections: General, Urban Environment, Population, Environmental Resources. Section A, General, deals with a wide range of environmental topics and provides essential concepts about the environment. Section B, Urban Environment, is concerned with environmental problems in an urban setting, including

aesthetic and perceptual considerations as well as physical and sociological ones. Section C, Population, attempts to give an overview of environmental problems brought about by crowded and over-populated conditions. Section D, Environmental Resources, is directed to a more scientific bent, and includes sources concerned with more familiar problems of pollution and conservation. Some attempt has been made to keep these entries as unspecialized as possible. Part V, Environmental Education, is divided into the following sections: General, Environmental Quality and Aesthetics, Perception, Curricula and Programs, and Techniques. Entries included in Section A, General, provide a rationale for the inclusion of environmental concepts into educational programs. Section B, Environmental Quality and Aesthetics, is directed mainly to qualitative and quantitative standards of the urban environment. Section C, Perception, provides some basic concepts of environmental stimuli and meaning and visual literacy. Section D, Curricula and Programs, includes entries which describe existing and developing plans for introducing concepts of the environment into the schools. Section E, Techniques, contains entries which suggests methods of introducing the environment into the curriculum. (See also Part II, Agencies and Organizations). Techniques include tend to be those relatively recently researched and developed. A number of the entries are unpublished dissertations, and many deal with gaming techniques. Part VI, Materials, are entries selected with secondary students in mind. Section A, Literature, is included to provide a direction for the teacher rather than an exhaustive or limited list of literary materials. Few, if any, pieces of literature escape the effect of the environment. The literature used in the classroom need not be changed or

supplemented; rather, the viewpoint or conceptual base in approaching the literature may be extended to include aspects of the environment which heretofore may have gone neglected.

Part VI, B, Films and Filmstrips, has been selected with a Junior-Senior high school viewer in mind. The list of films is followed by names and addresses of appropriate suppliers. Part VI, Section C, Games, has been included firstly, because of the recent popularity of their use in educational settings, and secondly, because so many of the games relate to the environment.

While this bibliography does not include reference to the vast quantity of contemporary music which deals with environmental issues, the reader is referred to a study which is being conducted with regard to popular music and the urban environment, by students and faculty of the College of Architecture, under the direction of Professor Michael C. Cunningham.

PART I: BIBLIOGRAPHIES

1. "Bibliography - Resources for Environmental Educators." Childhood Education, 47, January, 200-4, 1971.
2. Carvajal, Joan and Martha E. Munzer - compilers. Conservation Education: A Selected Bibliography. Danville, Illinois: Interstate Printers & Pubs. Inc., 1963.
3. Conservation League. Composite List of Conservation and Related Subjects - Film Titles. 2nd ed. New York: Conservation League, 1966.
4. Johnson, Carl S. & Charles A. Dambach. "Survey of Printed Materials on Conservation Education." Columbus: Ohio State University, 1967. (unpublished)
5. Massachusetts Audubon Society. Environmental Education Bibliography. Lincoln, Massachusetts: MAS for the U. S. Office of Education. 1970. Available in three sections: I, Pre-school grade-3; II, grades 4-6; III, grades 7-9. From: Margaret McDaniel, Librarian, Massachusetts Audubon Society, South Great Road, Lincoln, Massachusetts 01733. Each section costs 50¢.
6. Moore, John A. Science for Society: A Bibliography. 2nd ed. Washington, D.C.: American Association for the Advancement of Science, Commission on Science Education. 1971.
7. Minnesota Department of Education. Division of Instruction. Audiovisual Materials for Environmental Education. St. Paul, Minnesota: Minnesota Department of Education. 1971. Arranged by primary, intermediate and junior-senior high school levels.
8. Minnesota State Department of Education. Division of Instruction. Selectei Bibliography and Audiovisual Materials for Environmental Education. St. Paul, Minnesota: Minnesota State Department of Education, April-February 1971. Includes a section for secondary grade level, 46 pages. \$3.29.
9. National Education Association. Environmental Education for Everyone - Bibliography of Curriculum Materials for Environmental Studies. Washington, D.C.: National Education Association. 1970. This is a 36-page comprehensive bibliography incluing programs in environmental education, curriculum guides, textbooks, experiments, and enrichment readings, periodical listings, film strips, film lists, and other invaluable materials for environmental studies. Stock No. 471-14600. 15¢ each.
10. Otterson, Signe Ruh. "Readings on Natural Beauty: A Selected Bibliography." U. S. Department of the Interior Library, Bibliography No. 1, 1967.

PART II: AGENCIES AND ORGANIZATIONS

11. American Institute of Architects, Committee on Public Education, COPE, The Octagon, 1735 New York Avenue, NW, Washington, D.C. 20006. The Committee has produced the publication "Environmental Education, 1970," which relies heavily on architectural and aesthetic projects.
12. CEMREL: Central Midwestern Regional Educational Laboratory. Public Information Officer, 10646 St. Charles Road, St. Ann, Missouri 63074. Materials for the CEMREL program are being tested and should soon be available. These include a handbook, a thesaurus of aesthetic activities, a curriculum developer's handbook, concept cards, and activity cards.
13. Citizens for Clean Air, 598 Madison Avenue, New York, New York 10022. Offer suggestions about what communities can do to combat pollution. Free.
14. Committee for Environmental Education, 438 N. Skinker Boulevard, St. Louis, Missouri 63130. An index of the Committee's publications is obtainable free.
15. Conservation and Environmental Studies Center, Inc., Box 2230, R.D. 2, Browns Mills, New Jersey 08015. Inexpensive materials for all levels of interest - parent, school board, teacher. Instruction Plans on 24 topics, and Multi-disciplinary Packages are also available.
16. Conservation Education Association, c/o Dr. W. F. Clark, Eastern Montana College, Billings, Montana 59101. Publishes a newsletter, bibliography, reports and other educational material.
17. Conservation Foundation, 1250 Connecticut Avenue, Washington, D.C. 20036. Offers a pamphlet called "Concepts of Conservation" for 50¢.
18. Consumer Protection and Environmental Health Service. U. S. Department of Health, Education & Welfare, (Regional Office), 220 Seventh Street, NE, Charlottesville, Virginia 22901. Produces pamphlets and reprints.
19. Environmental Science Center, 5400 Glenwood Avenue, Minneapolis, Minnesota 55422. Will provide a list of paperbacks or otherwise inexpensive volumes on environment and conservation, a list of available curriculum materials and teaching units, and environmental lessons, (elementary level).
20. Environmental Study Area Program (ESA), U. S. Department of the Interior, National Park Service, Washington, D.C. 20240. The Park Service has developed a program utilizing parks as study guides, for example, in the Washington, D.C. area. Information is available.

21. Group for Environmental Education (GEE), 1214 Arch Street, Philadelphia, Pennsylvania 19107. Publishes educational materials which are available on a complimentary basis to educational institutions. The program developed by GEE ranges from K - 12. Primarily social studies, art, and English teachers have been involved in most of the programs experimental development.
22. Izaak Walton League of America, 1130 5th Avenue, New York, New York 10028. Offers a list of recommended books on conservation for grades 1 - 12.
23. National Audubon Society, 1130 Fifth Avenue, New York, New York 10028. A number of publications are available including "Audubon Nature Bulletin, #2: Fourteen Good Teaching Aids". Covers a wide range of subjects and activities.
24. National Parks Association, 1701 18th Street NW, Washington, D.C. 20036. The Association produces free and low cost pamphlets, articles on pollution and basic ecology. Excellent.
25. National Wildlife Federation, 1412 16th Street NW, Washington, D.C. 20036. The Federation produces a "Conservation Directory", a guide to all state and national sources of conservation and environment information for \$1.50. They also produce informational packets on ecology for elementary through adult.
26. Planned Parenthood--World Population, 151 Madison Avenue, New York, New York 10022. Offers inexpensive pamphlets of the people problem and a film guide.
27. Population Reference Bureau, 1955 Massachusetts Avenue, NW, Washington, D.C. 20036. Good bibliography, source list, and film guide on population, at minimal costs.
28. Sierra Club, Mills Tower, San Francisco, California 94104. The Club furnishes a list of publications, pollution and population information and is dedicated to the protection of scenic areas.
29. U. S. Department of Commerce. Environmental Control Administration, Consumer Protection and Environmental Health Service, 200 C Street NW, Washington, D.C. 20204. Serves to preserve and improve the physical environment.
30. U. S. Department of Commerce. Environmental Science Services Administration. Office of Public Information, 6010 Executive Building, Rockville, Maryland 20852. Consists of five major components which conduct studies, promote conservation and sponsors programs.

31. U. S. Department of Health, Education and Welfare, Office of Education, 400 Maryland Avenue SW, Washington, D.C. 20202. Administers programs which support and improve education, including curriculum development, assistance to conservation education organizations.

JOURNALS

32. Daedalus. Published by: American Academy of Arts and Sciences, 280 Newton Street, Brooklyn Station, Boston, Massachusetts 02146. \$7.50 annually. Four issues a year, each usually considering a single topic in depth. For example: Winter 1961, "The Future Metropolis"; Fall 1967, "America's Changing Environment"; Fall 1968, "The Conscience of the City."

33. Education and Urban Society. Quarterly publication by: Sage Publications, 2755 Beverly Drive, Beverly Hills, California 90212.

34. Environment. Published 10 times a year by: Committee for Environmental Information, 438 N. Skinker Boulevard, St. Louis, Missouri 63130. Annual subscription \$8.50. Deals with pollution and misuse of the environment through technology.

35. Environment and Behavior. Published by: Sage Publication, 275 S. Beverly Drive, Beverly Hills, California 90212. An interdisciplinary journal issued two or three times a year. Deals mainly with perception and evaluation of man's physical environment. \$7.00 annually to individuals. \$10.00 to institutions.

36. Journal of Aesthetic Education. Bimonthly publication of: University of Illinois and Illinois Department of Public Instruction. See 4(1): January 1970, Special issue, entitled "The Future and Acsthetic Education."

37. Journal of Environmental Education. Published by: Dembar Educational Research Services, Inc., Box 1605, Madison, Wisconsin 53701. \$7.50 annually; \$5.00 students. A quarterly devoted to discovery and dissemination in the field of conservation communications. The exchanging of effective stuies and developments toward a broad public ecological awareness, understanding and action. Some representative articles are: 1(2): 43-46, Winter 1969. "New Horizons for Environmental Education;" 1(2): 56-60, Winter 1969. "National Educational Environmental Program, (NEED);" 1(3): 75, Spring 1970. "Environmental Education, an Integrated Approach."

38. Journal of Research and Development in Education. Quarterly publication of College of Education, University of Georgia, Athens, Georgia. Each issue is devoted to central theme, for example, Vol. 4, No. 3, Spring, "Creativity." Offers special student-teacher rates. \$4.00 annually, \$1.00 single copy.

39. Journal of Social Issues. Published quarterly by: Society for Psychological Study of Social Issue. c/o Edwards Brothers, 2500 S. State Street, Ann Arbor, Michigan 48104. Organized around a single theme topic, for example, Vol. 24(1) January 1968: Values, Attitudes and Behavior in Social Science and Society. Subscription: Organization and university, \$9.00; Individual, \$7.00; Single \$2.00.

40. National Wildlife. Published bi-monthly by: National Wildlife Federation, 1412 16th Street NW, Washington, D.C. 20036. A strong emphasis on conservation; includes an "EQ Critical List," which describes crisis problems needing immediate attention.

41. Scientific American. Published monthly at: 415 Madison Avenue, New York, New York 10017. Annual subscription \$10.00. Many fine articles; for example, the issue 223(3): September 1970 contains eleven articles on the biosphere including water, food, oxygen.

42. Sierra Club Bulletin. Published monthly by: Sierra Club, 1050 Mills Tower, San Francisco, California 94014. Free to members, \$5.00 annually to non-members. General articles on environmental problems with wonderful photographs.

43. Social Education. Monthly publication of: National Council for Social Studies in Collaboration with American Historical Association, 1201 16th Street, NW, Washington, D.C. 20036. Subscription: without membership, \$10.00; single copies \$1.50. Special issue on "The environmental Crisis," 35(1): January 1971.

44. Vital Issues. Published 10 times a year by: Center for Information on America, Washington, Connecticut 06793. \$3.00 annually. Each issue is devoted to a timely problem, many in the area of science and society.

45. Whole Earth Catalogue. Published by: Portola Institute, Inc. An evaluation and access device, useful as informational tool. Many aspects of the environment are dealt with in each issue.

PART IV - ENVIRONMENT

A. GENERAL

46. Adams, Alexander B. Eleventh Hour. A Hard Look at Conservation. New York: Putnam, 1970. \$7.95.
47. The American Association for the Advancement of Science. Audiotape Program: Catalogue of Tapes of Selected Sessions. Washington, D.C.: American Association for the Advancement of Science, 1970.
48. Anderson, Walt, ed. Politics and Environment - A Reader in Ecological Crisis. Pacific Palisades, California: Goodyear, 1970. \$7.95, \$4.50.
49. Ardrey, Robert. The Social Contract: A Personal Inquiry into the Evolutionary Sources of Order and Disorder. New York: Antheneum, 1970. \$10.00.
50. Ardrey, Robert. The Territorial Imperative. New York: Dell, 1966. \$2.45.
51. Bates, Marston. The Forest and the Sea. New York: Random House, 1960.
52. Benarde, Melvin A. Our Precarious Habitat: An Integrated Approach to Understanding Man's Effect on His Environment. New York: W. W. Norton, 1970. Potentially hazardous conditions of our environment, \$2.95.
53. Billings, W. D. Plants and the Ecosystem. Belmont, California: Wadsworth Publishing Co., 1964.
54. Boulding, Kenneth. "Ecology and Environment," Trans-Action, March 1970, 38-44.
55. Brody, Boruch A., ed. Reading in the Philosophy of Science. Englewood Cliffs, New Jersey: Prentice-Hall, 1970. \$9.95.
56. Calder, N. The Environment Game. London: Panther, 1969.
57. Caldwell, Lynton Keith. Environment: A Challenge to Modern Society. New York: The Natural History Press, 1970. \$7.95.
58. Carpenter, Edmund. They Became What They Beheld. New York: E. P. Dutton, 1970. \$8.95.
59. Carr, Donald E. "The Death of Sweet Waters. The Politics of Pollution," Atlantic, 217(5): 93-106, May 1966.

60. Ciriacy-Wantrup, S. V. and James J. Parsons. Natural Resources: Quality and Quantity. Berkeley: University of California Press, 1967. \$16.50.
61. Clepper, Henry E. Origins of American Conservation. New York: Ronald Press, 1966.
62. Clots, Alexander B. and Elsie B. Klonts. The Community of Living Things in the Desert. Mankato, Minnesota: Creative Educational Society, 1960.
63. Collins, Stephen and The National Audubon Society. The Community of Living Things in Forest and Woodland. Mankato, Minnesota: Creative Educational Society, 1960.
64. Commoner, Barry. Science and Survival. New York: Viking Press, 1967.
65. Crowe, Philip Kingsland. The Empty Ark. New York: Charles Scribner's Sons, 1967.
66. Darling, F. Fraser & John P. Milton, eds. Future Environments of North America. Garden City, New York: Natural History Press, 1966.
67. Detwyler, Thomas R. Man's Impact on Environment. New York: McGraw-Hill, 1971.
68. Disch, Robert, ed. The Ecological Conscience. Values for Survival. Englewood Cliffs, New Jersey: Prentice-Hall, 1970.
69. Downer, Maria. Discovering Design. New York: Lothrop, 1947.
70. Dubos, Rene. "Adapting to Pollution." Scientist and Citizen, January-February 1968, 1-8.
71. Ehrensaft, Philip and Amitai Etzioni. Anatomies of America: Sociological Perspectives. New York: Macmillan, 1969. \$9.95, \$4.95.
72. Ewald, William R., Jr., ed. Environment and Change: The Next Fifty Years. Bloomington, Indiana: Indiana University Press, 1968. Essentially philosophical; great issues of the day are discussed. Seeks to define human scope of word 'environment'.
73. Ewald, William R., Jr. Environment and Policy: The Next Fifty Years. Bloomington, Indiana: Indiana University Press, 1968. Issues dealing with the coordination of forces that shape the modern city.

74. Ewald, William R., Jr. Environment for Man: The Next Fifty Years. Bloomington, Indiana: Indiana University Press, 1967. Preparatory work leading to "Optimum Environment with Man as the Measure". Concern for integrating science with society.

75. Fabun, David. Dynamics of Change. Englewood Cliffs, New Jersey: Prentice-Hall, 1967.

76. Ford, Thomas R. and Gordon F. de Jong, eds. Social Demography. Englewood Cliffs, New Jersey: Prentice-Hall, 1970. \$8.50.

77. Fuller, R. Buckminster. Operating Manual for Spaceship Earth. Carbondale, Illinois: Illinois University Press, 1968. A short work in which Fuller considers the planet Earth as a traveling spaceship. An overview moving into the 21st century.

78. Glass, David C., ed. Environmental Influences. Proceedings of a Conference under the auspices of Russell Sage Foundation and the Rockefeller University. New York: Rockefeller University Press and Russell Sage Foundation, 1968.

79. Glazer, Norman & Daniel P. Moynihan. Beyond the Melting Pot. Cambridge: M.I.T. Press, 1963. Influences of the values of five ethnic groups on the city (here New York) Negroes, Puerto Ricans, Jews, Italians and Irish are considered.

80. Good Housekeeping. "Seventy-five Ways You Can Help Clean Up the Environment Now". Good Housekeeping, 173, September: 199-201, 1971.

81. Goodman, G.T., R. W. Edwards and J. M. Lambert, eds. Ecology and the Industrial Society. New York: John Wiley & Sons, Inc., 1965.

82. Hall, Edward T. "Territorial needs and limits," Natural History, 77 (5): 12-19, December 1965.

83. Hawkins, Mary E., ed. Vital Views of the Environment. Washington, D.C.: National Science Teachers Association, 1970. Stock No. 471-14602. \$1.50.

84. Helfrich, Harold W., Jr., ed. The Environmental Crisis. New Haven: Yale University Press, 1970.

85. Hurtig, H. and C. R. Harris. The Pollution Reader. Based on a conference "Pollution and Our Environment." Montreal: Harvest House, 1968.

86. Institute for the Study of Science in Human Affairs. A Selection of Films for the Study of Science in Human Affairs. New York: Institute for the Study of Science in Human Affairs, 1969.

87. Jarrett, H., ed. Environmental Quality in a Growing Economy. Baltimore: Johns Hopkins Press, 1966.

88. Jennings, Burgess H. & John E. Murphy, eds. Interactions of Man and His Environment. Proceedings of the Northwestern University Conference held January 28-29, 1965. New York: Plenum Press, 1966.

89. Johnson, H. E., ed. No Deposit - No Return. Reading, Massachusetts: Addison-Wesley, 1970.

90. Kahn, Herman & Anthony J. Wiener. The Year 2000. New York: Macmillan, 1967. A framework for speculation on the next 35 years, this book contains most of the basic methodology of future study through statements of multi-faceted trends, projections, scenarios. \$9.95.

91. Katz, Alfred H. and Jean Spencer Felton, eds. Health and Community: Readings in the Philosophy and Sciences of Public Health. New York: Free Press, 1965. \$13.50.

92. Kohl, Benjamin et al. "Barriers Fall", Environment, 12(9): 40-43, November 1970.

93. Kormondy, E. J. Readings in Ecology. Englewood Cliffs, New Jersey: Prentice Hall, Inc., 1965.

94. Lemmon, Robert S. and The National Audubon Society. The Community of Living Things in Parks and Gardens. Mankato, Minnesota: Creative Educational Society, 1967.

95. Lindsay, S., comp. "Earth Watch." Saturday Review, 54, February 6: 48-49, 1971.

96. Love, Glen A. and Rhoda M. Love. Ecological Crisis: Readings for Survival. New York: Harcourt Brace Jovanovich, 1970.

97. McCue, Gerald M. and William R. Ewald, Jr. Creating the Human Environment. Urbana: University of Illinois Press, 1970. A book by architects.

98. McHale, John. The Ecological Context. New York: G. Braziller, 1970.

99. Marquis, Ralph W., ed. Environmental Improvement (Air, Water and Soil). Washington, D.C.: Graduate School, U. S. Department of Agriculture, 1966. Series of four lectures, including one by Rene Dubos, which see man as central factor.

100. Melman, Seymour, ed. The War Economy in the United States. Readings in Military Industry and Economy. New York: St. Martin's Press, 1971.
101. Morholt, Evelyn, et al. A Sourcebook for the Biological Sciences. New York: Harcourt, Brace & World, Inc., 1966.
102. Morris, Desmond. The Naked Ape. New York: McGraw-Hill, 1968. \$5.95.
103. Nash, Roderick, ed. The American Environment. Menlo Park, California: Addison-Wesley Publishing Co., 1968.
104. National Academy of Sciences. Resources and Man. San Francisco: W. H. Freeman, 1969. \$5.95 - \$2.95.
105. Negroponte, Nicholas. The Architecture Machine: Toward a More Human Environment. Cambridge: M.I.T. Press, 1970. \$5.95.
106. Nelson, William R., ed. The Politics of Science: Readings in Science, Technology, and Government. New York: Oxford University Press, 1968. \$3.95.
107. Nicholson, M. Environmental Revolution. London: Hodder Staughton, 1970.
108. Odum, Eugene P. and Howard T. Odum. The Fundamentals of Ecology. Philadelphia: W. B. Saunders Co., 1959.
109. Ogburn, Charlton, Jr. The Winter Beach. New York: William Morrow & Co., Inc., 1966.
110. Pursell, Carroll W., Jr., ed. Readings in Technology and American Life. New York: Oxford University Press, 1969. \$4.95.
111. Rose, Thomas, ed. Violence in America: A Historical and Contemporary Reader. New York: Random House, 1970. \$7.95.
112. Roslansky, John D., ed. The Control of Environment. Amsterdam, Netherlands: North-Holland Publishing Co., 1967. A discussion at the Nobel Conference.
113. Rosow, I. "The Social Effects of the Physical Environment," Journal of the American Institute of Planners, 27, May: 127-133, 1961.
114. Scientific American. "Science, Conflict, and Society: Readings from Scientific American." San Francisco: W. H. Freeman, 1969. \$10.00 cloth; \$5.75 paper.

115. Sears, Paul B. The Living Landscape. New York: Basic Books, Inc., 1966.
116. Shepard, Paul and Daniel McKinley, eds. The Subversive Society: Essays Toward an Ecology of Man. Boston: Houghton-Mifflin, 1969. \$8.95 cloth; \$5.95 paper.
117. Singer, S. Fred, ed. Global Effects of Environmental Pollution. New York: Springer-Verlag, 1970. \$12.00.
118. Smithsonian Institute. The Fitness of Man's Environment. Washington, D.C.: Smithsonian Institution Press, 1967. Collection of papers delivered at the 1967 Smithsonian Institution's Annual Symposium. Suggests that man can no longer afford to alter his environment in fragmented unrelated actions without developing new guidelines for these changes. \$5.95.
119. Synder, C. Earth House Hold. San Francisco: New Directions. 1969.
120. Still, Henry. Dirty Animal. New York: Hawthorn Books, Inc., 1967.
121. Storer, J. Man in the Web of Life. New York: Signet, 1968.
122. Swinburne, Herbert H. "The Environment We See." In Wm. R. Ewald, Jr., ed., Environment for Man: The Next Fifty Years. Bloomington, Indiana: University of Indiana Press, 1967, 110-135.
123. Tunnard, Christopher and Boris Pushkarev. Man-Made America: Chaos or Control? New Haven, Connecticut: Yale, 1963. A careful look at the urban-rural fringe areas that fill the space between cities. Intended for professionals but useful for laymen.
124. Udall, Stuart. 1976: Agenda for Tomorrow. New York: Harcourt, Brace & World, Inc., 1968.
125. U. S. Department of Interior, Conservation Handbooks. No. 1 Quest for Quality, 1965, \$1.00; No. 2 The Population Challenge: What it Means to Americans, 1966, \$1.25; No. 3 The Third Wave: America's New Conservatism, 1967, \$12.00; No. 4 Man: An Endangered Species, 1968, \$1.50; No. 5 It's Your World: The Grassroots Conservation, 1969, \$2.00.
126. U. S. House of Representatives. Environmental Science Centers at Institutions of Higher Education. Committee on Science and Astronautics. Washington, D.C.: U. S. Government Printing Office, 1969.

127. U. S. President, Science Advisory Committee. Environmental Pollution Panel. Restoring the Quality of our Environment. Washington, D.C.: White House, November 1965.
128. Vayda, A. Environment and Cultural Behavior. Garden City, New York: The Natural History Press, 1969.
129. Ward, M. A., ed. Man and His Environment. Volume I. New York: Pergamon Press, 1970. Technical papers from the Banff Conference on Pollution--a multi-discipline approach to a multi-faceted problem.
130. Weisz, Paul R., ed. The Contemporary Scene: Readings in Human Nature, Society, and Environment. New York: McGraw-Hill, 1970. \$3.95.
131. Woodwell, G. M. "Effects of Pollution on the Structure and Physiology of Ecosystems." Science, 168, 3920: 429-433. April 24, 1970.

PART IV. B. URBAN ENVIRONMENT

132. Abrams, Charles. The City is the Frontier. New York: Harper & Row, 1965. An excellent survey of urban problems. \$1.95.
133. Adams, R. M. "The Origin of Cities." Scientific American. September 1960, 153-168.
134. Alexander, Christofer. "The City is Not a Tree," Architectural Forum, April-May 1965.
135. Arango, Jorge. The Urbanization of the Earth. Boston: Beacon Press, 1970. 175p. \$6.95.
136. Bacon, Edmund. The Design of Cities. New York: Viking, 1967. A historical survey with useful graphics.
137. Banfield, Edward C. The Unheavenly City: The Nature and Future of our Urban Crisis. Boston: Little, Brown, 1970.
138. Banham, Reyner. The Architecture of the Well-Tempered Environment. Chicago: University of Chicago Press, 1969.
139. Bell, Wendell. "Social Areas: Typology of Urban Neighborhoods." In Community Structure and Analysis, Marvin Sussinan, ed., New York: Thomas Y. Crowell, Co., 1959, 61-92.
140. Brower, S. "Expressive Environment," Architectural Forum, 124, April: 38-40, 1966.
141. Berryhill, John. "Our Troubled Urban Environment." Nation's Cities, 5: 5-7, August 1967.

142. Bonifazi, Conrad. A Theology of Things: A Study of Man in his Physical Environment. Philadelphia: J. B. Lippincott, 1967.

143. Carty, Donald, ed. The New City. National Committee on Urban Growth Policy. New York: Praeger. 1969. \$12.50.

144. Carr, Stephen. "The City of the Mini." In Wm. R. Ewald, Jr., Environment for Man: The Next Fifty Years. Bloomington, Indiana: University of Indiana Press, 1967.

145. Carvalho, Jose C. de Melo. "The City (I): From the Cave to the Megalopolis." Impact, 19: 169-177, 1969. See also Doxiadis, "The City (II) . . .

146. Chermayeff, S. & C. Alexander. Community and Privacy. New York: Doubleday Anchor, 1963. Carefully researched and detailed analysis proposing new type of urban order; one more responsive to the humanness of man.

147. Churchill, Henry S. The City is the People. New York: W. Norton, 1962. A brief introduction to current urban problems seen in perspective. Thoughtful reading. \$1.95.

148. Costikyan, Edward N. "Cities Can Work." Saturday Review, April 4, 1970, 19.

149. Craik, K. H. "Comprehension of the Everyday Physical Environment," American Institute of Planners Journal, 34: 29-37, January 1958.

150. Crecine, John P., ed. Financing the Metropolis: Public Policy in Urban Economies. Beverly Hills, California: Sage, 1970. \$20.00.

151. Cullen, Gordon. Townscape. New York: Reinhold, 1961.

152. DeJong, D. "Images of Urban Areas." Journal of American Institute of Planners, 28, November: 277-276, 1962.

153. Doxiadis, Constantinos A. "The City (II): Ecumenopolis, Worldwide City of Tomorrow," Impact, 19: 179-193, 1969. See also Carvalho, Jose C., "The City (I)."

154. Doxiadis, Constantinos A. "Ekistics, The Science of Human Settlements." Science, 170: 393-404. 1970.

155. Doxiadis, Constantinos A. "Ivan's Movement and His City." Science, 162: 326-334. 1968.

156. Doxiadis, C. A. "Man and the Space Around Him." Saturday Review. 51: 21-23. December 14, 1968.

157. Duhl, Leonard J., Editor. The Urban Condition: People and Policy in the Metropolis. New York: Basic Books, 1963. \$10.00.

158. Eldridge, H. Wentworth, ed. Taming Megalopolis. New York: Praeger, 1967. 2 vols. Vol. 1: "What is and What Could Be." Vol. 2: "How to Manage an Urbanized World." Collections of essays by 60 i experts in their respective fields. Brings together a diversity of ideas about the complex process of change as the world modernizes and urbanizes. A source for detailed information. \$2.45 each.
159. Epstein, Joseph. "The Row Over Urban Renewal." Harper's, February 1965, 55-61.
160. Erber, Ernest. Urban Planning in Transition. New York: Grossman, 1970.
161. Esquire. "Cities in Trouble." Esquire, June 1968, 65-77. Special Issue including many articles on the city.
162. Faltermayer, Edmund K. Redoing America: A Nationwide Report on How We Can Make our Cities and Suburbs Livable. New York: Harper & Row, 1968. \$6.95.
163. Gans, Herbert J. People and Plans: Essays on Urban Problems and Solutions. New York: Basic Books, 1968.
164. Galdwin, Robert A. A Nation of Cities. Chicago: Rand McNally, 1968.
165. Gavin, J. M. and A. Hadley. "The Crisis of the Cities: The Battle We Can Win." Saturday Review, February 24, 1968, 30-34, 57.
166. Ginger, Ray, ed. Modern American Cities. Chicago: Quadrangle Books, 1969. An Anthology of Articles from the "New York Times Magazine."
167. Glazer, Nathan, ed. Cities in Trouble. Chicago: Quadrangle Books, 1970. Reprints of articles from the "New York Times Magazine" on problems of the cities, minority groups, possible solutions.
168. Glazer, Nathan. "The Renewal of Cities." Scientific American, September 1965, 195-204.
169. Goodman, Paul and Percival Goodman. Communitas. New York: Vintage, 1960. Good book dealing with cities of the past and considering alternatives of the future.
170. Gottman, Jean. Megalopolis: The Urbanized Northeastern Seaboard of the United States. New York: The Twentieth Century Fund. 1961. \$4.95. A detailed analysis of a restricted urban area. It is a statistical work, crammed with facts and is not easy reading.

171. Gruen, Victor. The Heart of Our Cities. New York: Simon & Schuster. 1964. The planner architect discusses what makes a city, what are its problems, and what can perhaps be done about them.
172. Hadden, Jeffrey K. et al. Metropolis in Crisis: Social and Political Perspective. (A Reader). Itasca, Illinois: F. E. Peacock, 1967. \$8.50.
173. Hall, Peter. The World Cities. New York: McGraw-Hill, 1966. \$4.95: paper \$2.45.
174. Halprin, Lawrence. Cities. New York: Reinhold, 1963. \$15.00. Satisfaction for the personal, physical and psychological needs of man in the city.
175. Handlin, Oscar and John Burchard, eds. The Historian and the City. Cambridge: M.I.T. Press, 1966. \$2.95. The city as viewed by a symposium of social scientists.
176. Hansen, Niles M. Rural Poverty and the Urban Crisis: A Strategy for Regional Development. Bloomington, Indiana: Indiana University Press, 1970.
177. Heckscher, August. The Public Happiness. New York: Atheneum, 1962. \$5.75.
178. Heckscher, August. "Nature and the City." Natural History, March 1968, 6-10. City Parks.
179. Hellman, Hal. The City in the World of the Future. New York: Evans, 1970.
180. Herber, Lewis. Crisis in Our Cities. Englewood Cliffs, New Jersey: Prentice-Hall, 1968.
181. Holland, Laurence B., ed. Who Designs America? Garden City, New York: Doubleday. Anchor Book, 1966. Ten experts explore the urban environment. \$1.45.
182. Hudson, James. "We Can Build Space Age Cities Now," National Wildlife, August-September 1970. 4-9.
183. Huxtable, Ada Louise. Will They Ever Finish Bruckner Boulevard? New York: Macmillan, 1970. Alarming observations on our urban environment by one of America's wittiest and most influential architecture critics. \$7.95. Articles from The New York Times.
184. Jacobs, Jane. The Death and Life of Great American Cities. New York: Random House, 1961. \$2.45. An excellent account of the problems and some suggestions for solutions. A readable book of general observations on the city.

185. Jacobs, Jane. The Economy of Cities. New York: Random House, 1969. \$5.95.
186. Jacobs, Jane. "The Uses of Sidewalks: Assimilating Children." In H. M. Proshansky, W. H. Ittelson & L. G. Rivlin, eds., Environmental Psychology: Man and His Physical Setting. New York: Holt, Rinehart, Winston, 1970.
187. Kaitz, Edward M. and Herbert Harvey Hyman. Urban Planning for Social Welfare. New York: Praeger, 1970.
188. Kohn, Sherwood Davison. "Paolo Soleri Thinks Very Big," New York Times Magazine. July 26, 1970, 26. By condensing the space used for man's activities, more remains for nature.
189. Kramer, Paul and Frederick L. Holburn, eds. The City in American Life: A Historical Anthology. New York: G. P. Putnam's Sons, 1970. \$7.95.
190. Leavitt, Helen. Superhighway-Superhoax. New York: Ballantine, 1970. \$.95. A critical evaluation of what the highways are doing to city and countryside.
191. Lewis, David. "Is Today's Downtown the Cultural Center of the Metropolis?" Arts in Society, 4: 454-459, Fall/Winter 1967.
192. Lindsay, John V. The City. New York: Norton, 1970. \$5.95.
193. Lisco, Donald A. and others. "The Future of Urban Transportation." Public Interest, Number 18, 1970, 52-87.
194. Lu, Weinig. "Urban Cultural Centers or Cultural Urban Centers?" Arts in Society, 4: 460-470, Fall/Winter 1967.
195. Lynch, Kevin. The Image of the City. Cambridge: MIT Press, 1960. He identifies the elements of the environment and then discusses how we are affected by our visual perceptions of them. Short, interesting book.
196. Mangin, W. "Squatter Settlements." Scientific American, October 1967, 21-29.
197. Meier, Richard L. "The Metropolis and the Transformation of Resources." Bulletin of the Atomic Scientists, May 1970, 2-5, 36-37.
198. Meyer, Jon K. Bibliography of the Urban Crisis. Washington, D.C.: Superintendent of Documents, 1969. Public Health Service Publication No. 1948. Paper, \$3.75.

199. Meyerson, Martin, ed. The Conscience of the City. New York: George Braziller, 1970. Based largely on the Fall 1958 issue of Daedalus.

200. Michelson, W. H. Man & His Urban Environment. Reading, Massachusetts: Addison-Wesley, 1970.

201. Milgram, Stanley. "The Experience of Living in Cities." Science, 167: 1461-1468. 1970.

202. Mohl, Raymond A. and Neil Betten, eds. Urban America in Historical Perspective. New York: Weybright and Talley. 1970.

203. Moller, Clifford B. Architectural Environment and Our Mental Health. New York: Horizon Press, 1968.
How the well-being of man is affected by architectural environment and the use of space. The author hopes to "offer a philosophical approach to architecture, a redefinition that can provide significant help towards planning our urban environment."

204. Motaless, Dom. "Bombay." New York Times Magazine, October 11, 1970, 34. One view of one city.

205. Moynihan, Daniel P., ed. Toward a National Urban Policy. New York: Basic Books, 1970. \$7.95.

206. Mumford, Lewis. The City in History: Its Origins, Its Transformations, and Its Prospects. New York: Harcourt, Brace & World, 1961. \$4.95. An excellent source book. Extensive bibliography.

207. Mumford, Lewis. The Urban Prospect. New York: Harcourt, Brace & World, 1968. One authority's concept of the modern metropolis and the problems it faces. \$2.45.

208. National Academy of Engineering. Systems Approaches to the City: A Challenge to the University. Washington, D.C.: National Academy of Engineering, 1970.

209. Neutra, Richard. Survival Through Design. London: Oxford University Press, 1969. Man must sensibly design his cities, homes and everyday objects to make his environment habitable.

210. Osborn, Frederic J. and Arnold Whittick. The New Towns: The Answer to Megalopolis. London: Leonard Hill, 1969. In England, Wales, and Scotland.

211. Page, J. "A Protest at Urban Environment." In B. Crick and W. A. Robson, eds., Protest & Discontent. Harmondsworth, England: Penguin, 1970, 98-109.

212. Parr, A. E. "Psychological Aspects of Urbanology," Journal of Social Issues, 22(4): 39-45, October 1966.

213. Perloff, Harvey S., editor. The Quality of the Urban Environment: Essays on "New Resources" in an Urban Age. Baltimore: Johns Hopkins University Press, 1969. \$6.50.

214. Porteous, J. Douglas. "Design with People: The Quality of the Urban Environment," Environment & Behavior, 3(2): 155-178, June 1971.

215. Public Interest. "Focus on New York." Public Interest, Number 16, 1969. Ten articles on the problems of NYC.

216. Putnam, Robert G., et al., editors. A Geography of Urban Places: Selected Readings. London: Methuen, 1970.

217. Rapoport, A. "Observation regarding Man-Environment Studies." Man-Environment Systems, 1(70):1-29, 1970.

218. Raskin, Eugene. Sequel to Cities. New York: Bloch, 1970. 93 pages. \$1.95.

219. Reiss, Albert J., Jr. "An Analysis of Urban Phenomena," in Robert M. Fisher, ed., The Metropolis in Modern Life. Garden City, New York: Doubleday, 1955, 41-49.

220. Richards, Brian. New Movement in Cities. New York: Reinhold, 1966.

221. Rodwin, Lloyd. Editor. The Future Metropolis. New York: George Braziller, 1961. \$5.00.

222. Rojwin, Lloyd. Nations and Cities. Boston: Houghton-Mifflin, 1970. \$7.95.

223. Ruchelman, Leonard I. Big City Mayors: The Crisis in Urban Politics. Bloomington, Indiana: Indiana University Press, 1969.

224. Rudofsky, Bernard. Streets for People: A Primer for Americans. New York: Doubleday, 1969. \$14.95.

225. Safdie, Moshe. Beyond Habitat. Cambridge, Massachusetts: M.I.T. Press, 1970. \$10.00. By the architect for "Habitat" at Montreal's Expo of 1967.

226. Schickel, Richard. "New York's Mr. Urban Renewal." New York Times Magazine, March 1, 1970. p. 30-. Edward J. Logue of the New York State Urban Development Corporation.

227. Schmandt, Henry J. and Warner Bloomberg, Jr., editors. The Quality of Urban Life. Volume 3. Urban Affairs Annual Reviews. Beverly Hills, California: Sage Publications, 1969. Twenty essays.

228. Scientific American. "Cities," September 1965. Entire issue related to city.

229. Scott, Mel. American City Planning Since 1890. Berkeley: University of California Press, 1969. \$17.50.

230. Sennett, Richard. The Uses of Disorder: Personal Identity and City Life. New York: Alfred A. Knopf, 1970. \$5.95.

231. Sewell, W. R. Derrick, ed. "Environmental Quality," Special issue of Environment & Behavior, 3 (2): June 1971.

232. Simon, Arthur R. "New Yorkers Without a Voice: a Tragedy of Urban Renewal." Atlantic, April 1966, 54-59.

233. Sirjamaki, John. The Sociology of Cities. New York: Random House, 1964. \$5.95.

234. Smith, Joel, William Form & Gregory Stone. "Local Intimacy in a Middle-sized City." American Journal of Sociology, 60, November: 276-284, 1954.

235. Soleri, Paolo. Arcology: The City in the Image of Man. Cambridge: M.I.T. Press, 1969. A radical plan for concentrating man and his activities into minimum spaces so that there will be room for nature. Arcology = architecture + ecology. This philosophy is expressed in a book almost too large to handle.

236. Sommer, Robert. "Man's Proximate Environment." Journal of Social Issues, 22(4): 59-70, October 1966.

237. Spilhaus, A. "The Experimental City." Science, 159: 710-715, 1968.

238. Spreiregen, Paul D. Urban Design: The Architecture of Towns and Cities. New York: McGraw-Hill, 1965. \$12.50.

239. Stein, Clarence S. Toward New Towns for America. Cambridge: M.I.T. Press, 1966. Paperback. \$3.95. Examples of newly designed towns.

240. Sternlieb, George. The Tenement Landlord. New Brunswick: Rutgers University Press, 1969.

241. Stone, Gregory P. "City Shoppers and Urban Identification: Observations on the Social Psychology of City Life." American Journal of Sociology, 60, July, 36-45, 1954.

242. Strauss, Anselm L. Images of the American City. New York: Crowell-Collier, 1961. The sociology of cities.

243. Sundquist, James L. and others. "A Policy for Urban Growth." Public Interest, Number 18, 88-112, 1970.

244. Thompson, B. "Reflections on Environment." Architectural Record, 139, January: 110-120, 1956.

245. Thompson, B. "Visual Squalor, Social Disorder or A New Vision of the 'City of Man'." Architectural Record, 145, April: 161-164, 1969.

246. Toynbee, Arnold. Cities on the Move. New York: Oxford University Press, 1970.

247. Tunnard, Christopher and Boris Pushkarev. Man-Made America: Chaos or Control. New Haven: Yale University Press, 1963. \$8.95. An Inquiry into Selected Problems of Design in the Urbanized Landscape.

248. Tyler, Gus. "Can Anyone Run a City?" Saturday Review, November 8, 1969, 22-25.

249. U. S. Commission on Civil Rights. A Time to Listen--A Time to Act. Voices from the Ghettos of the Nation's Cities. Washington, D.C.: U. S. Government Printing Office, 1967.

250. U. S. Department of Housing and Urban Development. 1969 HUD Statistical Yearbook. Washington, D.C.: U. S. Government Printing Office, 1970. \$3.25.

251. U. S. House of Representatives. Science and Technology and the Cities. Panel on Science and Technology. Committee on Science and Astronautics. Washington, D.C.: U. S. Government Printing Office, 1969. \$0.70.

252. U. S. House of Representatives. Population Trends. Hearings before the Ad Hoc Subcommittee on Urban Growth of the Committee on Banking and Currency. Ninety-first Congress. First Session. Washington, D.C.: U. S. Government Printing Office, 1969. \$4.50.

253. U. S. House of Representatives. The Quality of Urban Life. Hearings before the Ad Hoc Subcommittee on Urban Growth of the Committee on Banking and Currency. Ninety-first Congress. Part 2. Washington, D.C.: U. S. Government Printing Office, 1970. \$5.00.

254. U. S. National Commission on Urban Problems. Building the American City. House Document 91-34. Washington, D.C.: U. S. Government Printing Office, 1970. \$4.50.

255. U. S. Public Health Service. Bibliography on the Urban Crisis: The Behavioral, Psychological, and Sociological Aspects of the Urban Crisis. P.H.S. Publication No. 1948. Washington, D.C.: U. S. Government Printing Office, 1969. \$3.75.

256. Urban America, Inc. and the Urban Coalition. One Year Later: An Assessment of the Nation's Response to the Crisis Described by the National Commission on Civil Disorder. New York: Praeger, 1969.

257. Von Eckardt, Wolf. A Place to Live: The Crisis of the Cities. New York: Delacorte Press, 1967. \$2.65.

258. Warner, Sam Bass, Jr. Planning for a Nation of Cities. Cambridge: MIT Press, 1966. A collection of short essays concerning the challenges confronting our cities. Authors consider creative approaches to the problems. \$2.95.

259. Weaver, Robert C. The Urban Complex: Human Values in Urban Life. Garden City, New York: Doubleday, 1964. \$1.45.

260. Weissbourd, Bernard and Herbert Channick. "An Urban Strategy." Center Magazine, September 1968, 56-65.

261. Welsh, G. S. "The Perception of our Urban Environment." In Robert E. Stipe ed., Perception and Environment: Foundations of Urban Design, Proceedings of a 1962 Seminar on Urban Design. Chapel Hill: University of North Carolina, Institute of Government, 1966.

262. Whalen, Richard J. A City Destroying Itself: An Angry View of New York. New York: Apollo, 1965. Paperback, \$0.95.

263. Whittaker, Robert H. Communities and Ecosystems. New York: Macmillan Co., 1970.

264. Willbern, York. The Withering Away of the City. Bloomington: Indiana University Press, 1966. \$1.65.

265. Wingo, Lowden, Jr., editor. Cities and Space: The Future Use of Urban Land. Baltimore: Johns Hopkins University Press, 1963. \$2.45.

266. Winkel, G. W. "Man's Response to the Physical Environment." AIA Journal, 48, September: 93-94, 1967.

267. Witson, James Q., Editor. Urban Renewal: The Record and the Controversy. Cambridge: M.I.T. Press, 1966. \$4.45. A balanced view of what went right and what went wrong.

268. Wohlwill, J. F. "The Physical Environment: A Problem for a Psychology of Stimulation," Journal of Social Issues, 22(4): 29-37, October 1966.

PART IV. ENVIRONMENT C. POPULATION

269. Calhoun, John B. "Population Density and Social Pathology." Scientific American, 206 (2): 139-148, February 1962. How density may lead to abnormal behavior and the possibility of extinction.

270. Christian, John J. "Social Subordination, Population Density, and Mammalian Evolution." Science, 168(3929): 84-90, April 1970. Selection may act with more vigor on subordinate individuals and, hence, speed genetic change.

271. Deevey, Edward S., Jr. "Human Population." Scientific American, 203(3): 194-205, September 1960. The present rapid increase in population is third in the evolution of man.

272. Ehrlich, Paul R. The Population Bomb. San Francisco: Sierra Club, 1968.

273. Ehrlich, Paul R. and Anne H. Ehrlich. Population Resources Environment. San Francisco: W. H. Freeman, 1970. \$8.95.

274. Freedman, Ronald, ed. Population: The Vital Revolution. Garden City, New York: Anchor Enterprises, 1964.

275. Harcourt, D. G. and E. J. Le Roux. "Population Regulation in Insects and Man." American Scientist, 55(4): 400-415, December 1967.

276. Hardin, Garrett. Population, Evolution, and Birth Control: A College of Controversial Ideas. Second Edition. San Francisco: W. H. Freeman, 1969. \$5.95, and \$2.95.

277. Hazen, William E., ed. Readings in Population and Community Ecology. Second Edition. Philadelphia: W. B. Saunders, 1964. \$5.75.

278. Heer, David M., ed. Readings on Population. Englewood Cliffs, New Jersey: Prentice-Hall, 1968. \$4.50.

279. Wrigley, E. A. Population and History. New York: McGraw-Hill, 1969. \$4.95, \$2.45.

280. Young, Louise B., ed. Population in Perspective. New York: Oxford University Press, 1968. \$10.00; \$4.95.

PART IV. ENVIRONMENT D. ENVIRONMENTAL RESOURCES

1) Food & Pesticides

281. Borgstrom, George. The Hungry Planet. New York: Collier Books, 1967. \$7.95.

282. Chase, M. Field Guide to Edible and Useful Wild Plants of North America. Red Wing, Minnesota: NASCO Nature Study Aids, 1965.

283. Dumont, Rene and Bernard Rosier. The Hungry Future. New York: Praeger, 1969. Translated from the French by Rosamund Linell and R. B. Sutcliffe.

284. Ehrlich, Paul R. "The Coming Famine," Natural History, 77(5): 6-15, May 1968.

285. Ehrlich, Paul R. and Anne H. "The Food-From-the-Sea Myth," Saturday Review, April 4, 1970, 53- .

286. Kardos, Louis T. "A New Prospect," Environment, 12(2): 10-21, 27, March 1970. The use of sewage for fertilizer.

287. Kotz, Nick. Let Them Eat Promises: The Politics of Hunger in America. Introduction by Senator George S. McGovern. New York: Prentice-Hall, 1970. \$6.95.

288. Laffin, John. The Hunger to Come. New York: Abelard-Schuman, 1966.

289. Lear, John. "Clean Power from Inside the Earth." Saturday Review, December 5, 1970, 53- .

290. McLean, Louis A. "Pesticides and the Environment." Bioscience, 17: 613-617, 1969.

291. Miller, Morton W. and George G. Berg. Chemical Fallout: Current Research on Persistent Pesticides. Springfield, Illinois: C. C. Thomas, 1969. \$22.50.

292. Pimental, D. "Evolutionary and Environmental Impact of Pesticides," Bioscience, 21:109, 1971.

293. Pinchot, G. B. "Marine Farming," Scientific American, 223(6): 14-21, December 1970.

294. U. S. President's Science Advisory Committee. The World Food Problem. Report of the Panel on the World Food Supply. 3 volumes. Washington, D.C.: U. S. Government Printing Office, 1969. \$0.60; \$2.75; \$1.25.

295. Winter, Ruth. Poisons in Your Food. New York: Crown, 1969. \$5.95.

PART IV. ENVIRONMENT. D. ENVIRONMENTAL RESOURCES.

2) AIR, POLLUTION.

296. Aylesworth, Thomas G. This Vital Air. This Vital Water. Chicago: Rand McNally, 1968. \$4.95.

297. Battan, Louis J. Unclean Sky: A Meterologist Looks at Air Pollution. Garden City, New York: Anchor-Doubleday, 1966.
298. Esposito, John C. Vanishing Air. New York: Grossman, 1970. Ralph Nader's Study Group report on air pollution. \$0.95.
299. National Tuberculosis and Respiratory Disease Association. Air Pollution Primer. New York: N.T.R.D.A., 1969. \$1.25.
300. Schaefer, Vincent J. "Some Effects of Air Pollution on our Environment." Bioscience, 19: 896-897, 1969.

PART IV. ENVIRONMENT. D. ENVIRONMENTAL RESOURCES.

2) AIR, CLIMATE.

301. Broecker, Wallace. "Enough Air." Environment, 12(7): 26-31, September 1970. The O₂ will last.
302. Givoni, B. Man, Climate, and Architecture. New York: Elsevier, 1969. \$14.00.
303. Lowry, W. P. "The Climate of Cities." Scientific American, 217(2): 15-23, August 1967.
304. Maunder, W. J. The Value of Weather. New York: Barnes and Noble, 1970. The effects of weather on economic, sociological, and physiological matters. \$6.50.
305. Peterson, Eugene K. "The Atmosphere: A Clouded Horizon." Environment, 12(3): 32-39, April 1970. Climatic changes from pollutants.

PART IV. ENVIRONMENT. D. ENVIRONMENTAL RESOURCES.

3) WATER

306. Berg, George G. Water Pollution. New York: Scientist's Institute for Public Information, 1970. \$1.00.
307. Chorley, Richard J., ed. Water, Earth, and Man: A Synthesis of Hydrology, Geomorphology, and Socio-Economic Geography. London: Methuen, 1969. \$2.50.
308. Fox, Cyril S. Water: A Study of Its Properties, Its Constitution, Its Circulation on the Earth, and Its Utilization by Man. New York: Philosophical Library, 1952.
309. Frank, Bernard and Anthony Netboy. Water, Land, and People. New York: Knopf, 1950.

310. Hillaby, John. "Genocide at Sea." New Scientist, 39, July: 38, 1968.

311. Lewis, Richard S. "NAWAPA: Water for the Year 2000." Bulletin of Atomic Scientists, May 1965, 9-11.

312. Marx, Wesley. The Frail Ocean. New York: Ballantine Books, Inc., 1967.

313. Miller, Stanton. "Water Pollution in the States," Environmental Science and Technology, 5(1): 120-125, 1971.

314. Scheaffer, John R. "Reviving the Great Lakes," Saturday Review, November 7, 1970, 62- .

315. Shea, Kevin P. "Dead Stream," Environment, 12(6): 12-15, July/August 1970.

316. U. S. Department of Interior. 1969-1970 Saline Water Conversion Report. Office of Saline Water. Washington, D.C.: U. S. Government Printing Office, 1970. \$5.75.

317. U. S. House of Representatives. Phosphates in Detergents and the Eutrophication of America's Waters. Twenty-Third Report by the Committee on Government Operations. Washington, D.C.: U. S. Government Printing Office, 1970.

318. U. S. Senate. Water Pollution - 1970. Hearings before the Subcommittee on Air and Water Pollution of the Committee on Public Works. Ninety-first Congress. Second Session, 5 parts. Washington, D.C.: U. S. Government Printing Office, 1970. \$8.00.

PART IV. ENVIRONMENT. D. ENVIRONMENTAL RESOURCES.

4) NOISE

319. Anthrop, Donald F. "Environmental Noise Pollution: A New Threat to Sanity," Bulletin of the Atomic Scientists, May 1969, 11-16.

320. Burns, William. Noise and Man. Philadelphia: J. B. Lippincott, 1969. \$11.00.

321. Chedd, Graham. Sound: From Communication to Noise Pollution. Garden City, New York: Doubleday, 1970. \$6.95.

322. Kryter, Karl D. The Effects of Noise on Man. New York: Academic Press, 1970.

323. Mecklin, John A. "It's Time to Turn Down All That Noise," Fortune, 80(5): 130-133, 188-195, May 1970.

PART IV. ENVIRONMENT. D. ENVIRONMENTAL RESOURCES.

5) ENERGY

324. Gofman, John W. and Arthur Tamplin. "Radiations: The Invisible Casualties," Environment, 12(3): 12-19, 49, April 1970.

325. Odum, Howard T. Environment, Power, and Society. New York: Wiley-Interscience, 1971. Power here is in references to energy, not politics.

326. Lessing, Lawrence. "Power From the Earth's Own Heat." Fortune, 79(6): June 1969.

327. Sternglass, Ernest. "Has Nuclear Testing Caused Infant Deaths?" New Scientist, 43(659): 178-181, July 24, 1969.

328. Woodwell, George M. "The Ecological Effects of Radiation." Scientific American, 208(6): 40-49, June 1963.

PART. V. ENVIRONMENTAL EDUCATION. A. GENERAL

329. Abel, Dana L. "Environmental Education." Bioscience, 20: 1015-1016, 1970.

330. American Association of School Administrators. Conservation . . . In the People's Hands. Washington, D.C.: AASA, 1964.

331. Archibald, David and Paul Gundlack. "Environmental Education: An Integrated Approach." Environmental Education, 1(2): 75-76, Winter 1970.

332. Baily, . . . "Environmental Studies in Schools." Art Education, 22: 10-11, June 1969.

333. Bennett, D. B. "Environmental Education: A Regional Approach." National Association of Secondary School Principles Bulletin, 54, October: 56-60, 1970.

334. Caldwell, Lynton, K., ed. Environmental Studies. Bloomington: Indiana University, Government Department, Institute of Public Administration, 1967.

335. "Can Man Survive Life in Big Cities?" U. S. News and World Report, 62: 64-67, May 1, 1967. Interview with Rene Dubos.

336. Education Development Center, Inc. Children of Cardozo--Tell it Like it Is. Cambridge, Massachusetts: EDC, 1968. Compiled from the "questions, writings, and drawings of Model School Division Children, (1-8). District of Columbia Public Schools." Excellent example for teachers, of creative writing and art which express deep feelings of the students.

337. "Environmental Education Materials." Educational Products Report, 4, March: 5-96, 1971.

338. Gittell, Marilyn, ed. Educating an Urban Population. Beverly Hills: Sage Publications, 1967.

339. Glacken, Clarence J. "Reflections on the Man-Nature Theme as a Subject for Study." In F. Fraser Darling & John P. Milton, eds., Future Environments of North America. Garden City, New York: Natural History Press, 1966, 355-371.

340. Grobman, Arnold, ed. Social Implications of Biological Education. Washington, D.C.: National Association of Biology Teachers, 1970. \$1.95.

341. Hardin, Garrett. "A Path to Relevant Teaching." Bioscience, 20: 488-490, 1971.

342. Hardy, C. A. "Environmental Education: An Action Proposal," Contemporary Education, 42, May: 276-9, 1971.

343. Hawkins, D. E. & D. A. Vinton. "Environmental Education." Art Education, 23, October: 48-52, 1970.

344. Hill, W. "Environmental Education: The State of the Art." Childhood Education, 47, October: 14-18, 1970.

345. International Conference on Public Education. International Bureau of Education, Geneva. The Study of Environment in School: Research in Comparative Education. Paris: UNESCO: Publication No. 314, 1968.

346. Johnson, P. B. "Creating an Environment." Art Education, 21, December: 16-18, 1968.

347. Kaminesle, . "Environmental Science for the Inner City." Science Teacher, 36, December: 63-64, 1969.

348. Kromm, D. E. "Young Children's Attitudes about Environment." Science and Child, 7, October: 19-21, 1969.

349. Labinowich, . "A Closer Look at Environmental Education." Science and Child, 8, March: 31-35, 1971. Includes bibliography.

350. Lolb, . "Role of Secondary Education in Solving Environmental Problems." American Biology Teacher, 33, April: 214-219, 1971.

351. McCall, T. "Environmental Education Symposium," Concept, 5, June: 2-36, 1971.

352. McClary, Andrew. "Education: Science-Technology and Society." Bioscience, 20: 612-613, 1970.

353. Marland, S. P. "Environmental Education Cannot Wait," American Educator, 7, May: 6-10, 1971.

354. Molnar, Thomas. The Future of Education (1961). New York: Fleet Academic Editions, 1970. Rev. ed. 199 p. \$5.50.

355. New Jersey State Council for Environmental Education. Evaluation for Environmental Education: Systems Analysis Approach for Self-Evaluation. Mountain Lakes, New Jersey: New Jersey State Council for Environmental Education, 1969. An evaluation instrument, developed with DHEW, Report No. DPSC 68-6503. 73 p.

356. Population Bulletin. "Population Education: A Challenge of the Seventies," Population Bulletin, 26(3): 19??.

357. Roberts, A. D. & O. E. Dyrli. "Environmental Education." Clearing House, 45, April: 451-455, 1971.

358. Schafer, Rudolph. "Students and the Environment: A School Administrator's Guide to the Ecology Movement." Bulletin of the National Association of Secondary School Principals, 55(356): 44-49, September 1971.

359. Schoenfeld, Clay. "Environmental Education: Toward a National Strategy." Journal of Educational Research, 64, September: 5-11, 1970.

360. Schoenfeld, Clay, ed. Outlines of Environmental Education. Madison, Wisconsin: December 1971. Address: Dembar Educational Research Services. Box 1148, Madison, Wisconsin 53701. Selected articles 1st years of published journal, Environmental Education. 257 p. \$9.87.

361. Scribner, H. B. "Imperatives in Urban Education." address, July 16, 1971. Vital Speeches, 37, August 15: 669-672, 1971.

362. Shugrue, Sylvia K. "Urban Environment ESA: Environmental Study Area." Science and Child, 8, January: 21-3, 1971.

363. Siehh, G. "Literature Subsequent to the Environment, nova." Library Journal, 96, July: 2266-70, 1971.

364. Stapp, William B. "Concept of Environmental Education." Social Education, 33, May: 34-35, 1970.

365. Steidle, W. E. "The Environmental Education Act," Science & Child, 8, March: 21-22, 1970.

366. Swan, J. "Challenge of Environmental Education," Phi Delta Kappan, 51, September: 26-28, 1969.

367. Terry, Mark. Teaching for Survival. New York: Ballantine Books, 1971.

368. Vivian, V., E. L. Henderson, & C. Knapp. "Environmental Education." Instructor, 80, January: 51-62, 1971. Includes bibliography.

369. Wagar, J. A. "The Challenge of Environmental Education." Educational Digest, 36, February: 9-12, 1971.

370. Wallace, E. S. "The Individual and the Environmental Revolution." Social Education, 35, January: 38-43, 1971.

371. Watts, D. G. Environmental Studies. London: Routledge & Kegan Paul, 1969.

372. White, R. C. "State of the Art in Environmental Education." Science Teacher, 37, November: 38-40, 1970.

PART V. ENVIRONMENTAL EDUCATION. B. ENVIRONMENTAL QUALITY & AESTHETICS.

373. "Aesthetics and Environmental Education." Journal of Aesthetic Education, 4(4): 125, October 1970.

374. Berleant, Arnold. "Education as Aesthetic Process." Journal of Aesthetic Education, 5(3): 139-147, July 1971.

375. Cohen, H. L. "Design and Alienated Youth." Art Education, 21, June: 24-25, 1968.

376. "Environmental Education: The U. S. Council on Environmental Quality." American Educator, 6, October: 21-25, 1970.

377. Gordon, William J. Synectics. New York: Harper & Row, 1961. The training of creative capacities. While studying our man-made environment we can employ the synectic process of making the strange familiar and making the familiar strange as a fresh approach to seeing what we look at. \$1.25.

378. Journal of Aesthetic Education. "Study of Spatial Quality." Journal of Aesthetic Education, 4(4): 81, October 1970.

379. Kiefer, Howard E. and Milton K. Munitz, eds. Perspectives in Education, Religion, and the Arts. Albany: State University of New York Press, 1970, 421 p.

380. Kirk, R. "Are Your Sensitivities Trained?" National Review, 22, December 15: 1352, 1970.

381. National Education Association. Man and His Environment. Washington, D.C.: Association of Classroom Teachers & NEA, 1970. 56 p. \$1.75.

382. Romine, S. "Environmental Quality and Secondary Education." Educational Leader, 28, December: 270-3, 1970.

383. Smith, R. A. "Aesthetic Dimension of Environmental Responsibility: A Proposal for Curriculum Innovation in Aesthetic Education." School Arts, 65, April: 20-22, 1966.

384. Tanzer, J. et al. "Developing Environmental Awareness in the Schools." Art Education, 19, November: 28-31, 1966.

385. U. S. Council on Environmental Quality. Environmental Quality. Washington, D.C.: U. S. Government Printing Office, 1970. \$1.75.

PART V. ENVIRONMENTAL EDUCATION. C. PERCEPTION.

386. "Banquet of Perceptions." Independent School Bulletin, 30(4): 16, May 1971.

387. Bruner, Jerome. "On Perceptual Readiness." Psychology Review, 64, March: 123-152, 1957.

388. Carter, Charles Bruce. "Relationship Between Children's Drawings & Sensitivity to Environmental Sounds." Penn State University, 1970. (Unpublished Dissertation).

389. Fearing, Kelley, and Beard & Martin. The Creative Eye. New York: W. S. Benson, 1969. 2 vol. Vol. 1: Simple text on "seeing". Unusual and provocative, to be considered for every school library and evaluated for fields other than art. Vol. 2: Photographs related to text, organized around five ideas: aesthetic response to moods of nature; personal views of nature; fantasy, mystery, dreams, symbols, & fun; architecture & other media; art as environment.

390. Gibson, James J. The Perception of the Visual World. Boston: Houghton Mifflin Co., 1950.

391. Gordeon, Stephen and Jenifer Wyman. Primer of Perception. New York: Reinhold, 1967. Uses photographs to teach visual awareness. Includes four units pertaining to one area of "perceptual experience." Very little text.

392. Kates, R. W. "Stimulus and Symbol: The View from the Bridge." Journal of Social Issues, 22(4): 21-27, October 1966.

393. Kepes, Gyorgy, ed. Education of Vision. New York: Braziller, 1965. (Vision & Value series) 6 vol. Concerned with helping development of "visual literacy". Good resource for teachers.

394. Kepes, G. The Language of Vision. Chicago: George Theoblad, 1944.

395. Kutsenow, F. Corrine. Children and Architecture. Berkeley: University of California. (Thesis). n.d. Written with the aim of advancing "visual literacy in our society;" thought-provoking suggestions for environmental awareness programs.

396. Little, A. D. Response to the Roadside Environment. San Francisco: Arthur D. Little, 1968.

397. Mills, F. V. "We Look: We Do Not See." Arts and Activities, 65, September: 14-18, 1968.

398. Platt, John R. Perception and Change. Ann Arbor: University of Michigan Press, 1970. 178 p. \$7.95.

399. Saarinen, T. F. "Environmental Perception." National Council of Social Studies Yearbook, 40: 63-99, 1970. A Bibliography.

400. Thompson, W. and T. Schaefer. "Early Environmental Stimulation." In D. Fiske & S. Madd, eds., Functions of Varied Experience. Homewood, Illinois: Dorsey Press, 1961.

401. Weber, Carroll Eugene. "A Study of Sixth-Grade Children's Ability to Infer the Influence of the Natural Environment Upon Man." University of California, Berkeley, 1964. (Unpublished Dissertation).

PART V. ENVIRONMENTAL EDUCATION. D. CURRICULA & PROGRAMS.

402. American Association of School Administrators. Conservation Education in American Schools, 29th Yearbook. Washington, D.C.: AASA, 1964.

403. American Institute of Biological Sciences. Environmental Education: The Adult Public. Report of a Workshop Conference, April 6-7, 1970. Washington, D.C.: National Science Foundation & AIBS, 1970. Lists organizations, addresses and programs concerned with the environment.

404. Bennett, Eleanor. "Environmental Program You Can Use." Man/Society/Technology, 30, February: 157-159, 1971.

405. Bennett, D. B. "Toward a Curriculum in Environmental Education." Pennsylvania School Journal, 118, May: 243-6, 1970.

406. Berkeley, E. P. "Environmental Education from Kindergarten on Up." Architectural Forum, 130, June: 46-53, June 1969.

407. Brennan, Matthew J., ed. People and their Environment: Teachers' Curriculum Guides to Conservation Education. Chicago: J. G. Ferguson Publishing Co., 1969. (8 vols.)

408. Browne, Ray B. and Ronald J. Ambrosetti, eds. Popular Culture and Curricula. Ohio: Bowling Green University Popular Press, 1970. 95 p. \$1.00 paper.

409. Chase, M. "Discovering Your Environment." Redwing, Minnesota: NASCO Nature Study Aids. 1970. Booklet introducing student discovery programs at local level. All grades.

410. Environmental Committee of the American Association of Museums. Museums and the Environment: A Handbook of Educational Programs. New York: Arcville, 1971.

411. Fleetwood, George R., et al. Teachers Guide for Environmental Education. Raleigh, North Carolina: North Carolina State Board of Education, Department of Public Instruction, 1970. Goals of environmental education; themes with related concepts. \$9.87. 230 p.

412. Golden Valley Environmental Science Center. "Available Curriculum Materials." Minneapolis: Golden Valley Environmental Science Center, n.d. A list.

413. Hafner, Everett M., John M. Fowler and Curtis A. Williams. Environmental Education 1970. New York: Scientists' Institute for Public Information, 1970. Address: 30 East 68th Street, New York 10021. \$1.00.

414. Henderson, Ernest L. The World Around Them: Environmental Education in the Urban Environment. Whitesbog, New Jersey: CESC, 1969. Address: Conservation & Environmental Studies Center for Southern New Jersey, Box 2230, R. D. #2, Browns Mills, New Jersey 08015. Teachers guide including "A City Block," "Streets of the City," "Noise Pollution," student work-sheets and study guide. 22 p. \$2.00.

415. Hennebry, Howard M. Conservation Education Improvement Project. Laramie, Wyoming: University of Wyoming, 1967. (Unpublished)

416. Hill, Wilhelmina & Roy C. White. "Programs and Opportunities for Environmental Education." Social Education, 33, December: 993-6, 1969. A directory.

417. Indiana State Department of Public Instruction. ACT in Time. Indianapolis: Indiana State Department of Public Instruction, Division of Curriculum, 1969. Art and environmental education curriculum guide (K-12).

418. McCabe, R. H. "New Course: Man & Environment." Junior College Journal, 41, December: 16-17, 1970.

419. Menesini, Marlo M. National Environmental Education Development--NEED. Washington, D.C.: National Park Service, Department of the Interior, 1970. Materials have been developed for the program, NEED, for grades 3-4, 5-6, 7-8, 11-12. The aim of the program is to "foster an appreciative and critical awareness of the environment . . ." An adaptable program with wide application. Student books, \$1.65.

420. National Science Teachers Association, comp. Programs in Environmental Education. Washington, D.C.: National Science Teachers Association, 1970. Available from NEA Publications Sales, this is a state-by-state listing of both local and ESEA III funded environmental education programs. Stock No. 471-14394. \$1.50 each.

421. New Hampshire State Department of Education. Division of Instruction. Environmental Education for New Hampshire Elementary and Secondary Schools. Concord, New Hampshire: New Hampshire State Department of Education, 1971. 22 p. \$3.29.

422. New York Board of Education. Man and His Environment. New York: New York Chapter AIA, 1970. Describes a program for eighth graders which is dealt with in a series of workshops and films for teacher-training as the first step.

423. New York State Education Department. Environmental Education Instructional Activities. Albany, New York: New York State Education Department, 1970. 59 p. \$3.05.

424. Perry, G. A., E. Jones, and A. Hammersley. The Teacher's Handbook for Environmental Studies. London: Blandford, 1968.

425. Philadelphia School District. The Parkway Program. Philadelphia: The School District of Philadelphia, 1970. An accredited high school program attempting to make education more relevant to the real world. The city is the classroom; there is no physical building within which the students work. Information from: Lisa Strick, Information Officer, The Parkway Program, 1801 Market Street, Philadelphia, Pennsylvania 19103, (215) 448-3761.

426. Ronfeldt, Leo Leonard. "A Determination of Basic Urban Environmental Understandings Important for Inclusion in the Elementary School Curriculum." University of South Dakota, 1969. (Unpublished Dissertation, Ed.D.).

427. Roth, Charles E. Curriculum Overview for Developing Environmentally Literate Citizens. Lincoln, Massachusetts: Liberty Council of Schools, Conservation Education Center, 1968. A list of 179 basic ideas and concepts relevant to the environment.

428. Stapp, William B. Conservation Education K-12. Minneapolis: Burgess Pub. Co., 1964.

429. Stapp, William B. Integrating Conservation and Outdoor Education into the Curriculum (K-12). Minneapolis: Burgess, 1965. 93 p. \$2.60 mc.

430. Stapp, William B. Integrating Conservation Education into the Existing Curriculum of the Ann Arbor Public School System (K-12). Ann Arbor: Ann Arbor Public Schools, 1964.

431. "State Environmental Education Programs." Compact, 5, June: 25-30, 1971.

432. Tillotson, David. Patterns for Preservation and Conservation Workbook. Milwaukee, Wisconsin: Great Northern Pub. Co., 1969. A conservation text for grades 7-12. Exercises are contained in the accompanying workbook. \$12.00, and \$2.75. Available from Great Northern Pub. Co., 400 East Silver Springs Drive, Milwaukee, Wisconsin 53217.

433. U. S. Department of Health, Education, and Welfare. Superintendent of Documents. Research and Development: Advances in Education. Washington, D.C.: DHEW, n.d. Describes some of the innovative educational programs supported by the Department which are "making a significant contribution to the improvement of learning." Some related to environment. Illustrated. \$1.50.

434. "Updated Environmental Studies: Reviews of Secondary Curriculums." Educational Products Report, 4, June: 35-47, 1971.

435. Urban Research Corporation and the Chicago Board of Education. Metropolitan High School. Chicago: URC and CBE, 1970. Describes a high school for Metropolitan Studies. Information and report on the school's pilot semester available from: Nathaniel Blackman, Jr., Principal; Chicago High School for Metropolitan Studies, 537 Dearborn Street; Chicago, Illinois. Offered as an alternative to existing schools in system.

436. Vivian, V. Eugene & Thomas J. Rillo. Focus on Environmental Education. Glassboro, New Jersey: CDC, 1970. Address: Glassboro State College, New Jersey, Curriculum Development Council for Southern New Jersey. Purpose of guide to help educators relate the environment to elementary and secondary classrooms. Programs, guidelines, curriculum, etc.... 66 p. \$2.00.

437. Webb, Bruce, Janet Null, Susan Jones & Dan C. Conrad. SEE: Structure for Environmental Education. Washington, D.C.: American Institute of Architects, 1970. (Unpublished). Comprehensive overview of Environmental Education, including program description, course structure, and guidelines for implementation.

PART V. ENVIRONMENTAL EDUCATION. E. TECHNIQUES.

438. Boocock, Sarane S. "The Effects of Games with Simulated Environments upon Student Learning." Baltimore: Johns Hopkins University, Department of Social Relations, 1966. (Unpublished Dissertation)

439. Boocock, Sarane S. and James S. Coleman. "Games with Simulated Environments in Learning." Sociology of Education, 39, Summer: 215-236, 1966.

440. Boocock, Sarane S. & E. O. Schild, eds. Simulation Games in Learning. Beverly Hills: Sage Publications, Inc., 1968.

441. Bouchard, Bernard R. "Application of Educational Research: The Use of the Pictorial Model of Evaluation as an Instructional Unit on Environmental Pollution." University of Utah, 1969. (Unpublished Dissertation)

442. Bowen, James Joseph. "Use of Games as an Instructional Media." University of California, Los Angeles, 1969. (Unpublished Dissertation, Ed.D.)

443. Conte, Anthony E. "Games with Simulated Environments: The Use of Life Career with Sixth Grade Students." Penn State University, 1969. (Unpublished Dissertation)

444. Duke, Richard. "Gaming Urban Systems." Reprint Series of the Institute for Community Development. East Lansing: Michigan State University, No. 30, 1965-1966.

445. Feldt, Allan G. The Cornell Land Use Game. Misc. Paper No. 3. Center for Housing and Environmental Studies, Division of Urban Studies, Ithaca, New York: Cornell University, n.d.

446. Fish, Alphoretta Southworth. "The Effect of a Selected Teaching Procedure Upon the Ability of a Sixth-Grade Pupil to Explain Environmental Phenomena." University of Maryland, 1965. (Unpublished Dissertation)

447. Inbar, Michael. "Simulations of Social Processes; The Disaster Game." Baltimore: Johns Hopkins University, Department of Social Relations, 1965. (Unpublished Dissertation)

448. Meier, Richard L. "'Game' Procedure in the Simulation of Cities." In L. J. Duhl, ed., The Urban Condition. New York: Basic Books, 1963. 348-354.

449. Robinson, James A. "Simulation and Games." Columbus, Ohio: Ohio State University, Department of Political Science, 1965. (Unpublished paper)

450. Roth, Robert E. "Fundamental Concepts in Environmental Management Education." Environmental Education, 1: 65-75, 1970.

451. Steinhart, John S. and Stacie Cherniack. The Universities and Environmental Quality: Commitment to Problem Focused Education. A Report to the President's Environmental Quality Council. Washington, D.C.: U. S. Government Printing Office, 1970. \$0.75.

452. Swan, James A. "Analysis of Attitudes and Coping Strategies of High School Youth: Air Pollution." (Unpublished Dissertation) n.d.

PART VI. MATERIALS. A. LITERATURE.

453. Adams, Ansel, Morley Baer et al. Not Man Apart. New York: Sierra Club-Ballantine, 1965. Photographic essay of man and nature. Includes lines from Robinson Jeffers.

454. Adams, Ansel E. Wild Cascades: Forgotten Parkland. San Francisco: Sierra Club, 1965. Includes lines from Theodore Roethke.

455. Adams, Ansel and Nancy Newhall. This Is the American Earth. San Francisco: Sierra Club, 1960. Photographic essay of the United States, little text.

456. Adler, John C. Invention. New York: Harcourt, Brace, Jovanovich, 1972. Possible textbook for creative writing. Includes sections on: ecology, nature, cities, pollution, beauty, etc.

457. Adoff, Arnold. City in All Directions. New York: Macmillan, 1969. Sights and sounds experienced by those who live in the city are the subjects for the poetry in this anthology.

458. Anderson, Maxwell. High Tor. Washington, D.C.: Anderson House, 1937. A play in three acts which deals with the influence of environment.

459. Bacon, Edmund. Design of Cities. New York: Viking Press, 1967. Brief text accompanies illustrations indicating growth and design form ideas. May be read non-sequentially. \$15.

460. Bailey, Anthony. Through the Great City: Impressions of Megalopolis (New York to Washington, D.C.). New York: Macmillan, 1967. Photographic overview of East Coast sprawl - the continuous city from New York to Washington.

461. Benarde, Melvin A. Our Precarious Habitat. New York: W. W. Norton & Co., 1970. Discussion of many potentially hazardous conditions of our environment. \$2.95.

462. Blake, Peter. God's Own Junkyard, The Planned Deterioration of America's Landscape. New York: Holt, Rinehart & Winston, Inc., 1964. How the natural beauty of this country is being destroyed in many ways, including public influence, is graphically shown through photographs.

463. Blumenfeld, Hans. The Modern Metropolis: Its Origins, Growth, Characteristics, and Planning. Cambridge: M.I.T. Press, 1967. \$12.50. By an expert on urban planning.

464. Blumenfeld, Hans. The Quality of Urban Life. Beverly Hills, California: Sage, 1969.

465. Boeke, Kees. Cosmic View. New York: John Day Co. Written for children; helpful in understanding distance, space and scale. \$3.75.

466. Bollens, John C. and Henry J. Schmandt. The Metropolis: Its People, Politics, and Economic Life. Second Edition. New York: Harper and Row, 1970.

467. Borland, Hal, comp. & ed. Sundial of the Seasons; A Selection of Outdoor Editorials from the New York Times. Philadelphia: Lippincott, 1964.

468. Boughey, Arthur S. Ecology of Populations. New York: MacMillan Co., 1968. Possibly useful for senior high students.

469. Bresler, Jack B. Environments of Man. Menlo Park, California: Addison-Wesley Publishing Co., 1968.

470. Bresler, J. B. Human Ecology, Collected Readings. Reading, Massachusetts: Addison-Wesley Publishing Co., 1966.

471. Brower, David, ed. In Wilderness is the Preservation of the World, by Eliot Porter. San Francisco: Sierra Club, 1962. Selections from Henry David Thoreau.

472. Brown, Harrison, James Bonner and John Weir. Next Hundred Years. New York: Viking Press, Inc., 1961.

473. Buchsbaum, Ralph and Mildred Buchsbaum. Basic Ecology. Pittsburgh: Boxwood Press, 1957.

474. Carson, Rachel. The Edge of the Sea. Boston: Houghton-Mifflin Co., 1955.

475. Carson, Rachel. The Sea Around Us. Boston: Watts Publishing Co., 1966.

476. Carson, Rachel. Sense of Water. New York: Harper & Row Publishers, Inc., 1956.

477. Carson, Rachel. Silent Spring. New York: Crest Publishing Co., 1969.

478. Clarke, George L. Elements of Ecology. New York: John Wiley & Sons, 1954.

479. Coker, Robert E. Streams, Lakes, Ponds. New York: Harper & Row, 1954.

480. Cooper, Elizabeth K. Science in Your Own Back Yard. New York: Harcourt, Brace & World, Inc., 1958.

481. Costeau, Jacques. The Living Sea. New York: Harper & Row Pub., Inc., 1963.

482. Cottow, S., ed. Earth Day: The Beginning. New York: Bantam, 1970.

483. Cox, George W., ed. Readings in Conservation Ecology. New York: Appleton-Century-Crofts, 1969. \$5.50.

484. DeBell, Garrett, ed. The Environmental Handbook. New York: Ballantine/Friends of the Earth, 1970. Background on ecology prepared for the first environmental teach-in, April 22, 1970. A collection of articles. \$.95.

485. Deevey, Edward S., Sr. "Recent Textbooks of Human Ecology." Ecology, 32: 347-351, 1951.

486. De Saint, Exupery. The Little Prince. New York: Harcourt, Brace & World, n.d.

487. Dubos, Rene. So Human an Animal. New York: Charles Scribner's Sons, 1969. This book was awarded the Pulitzer Prize in 1969. "The unifying theme of this book," says the author, "is that all experiences leave a stamp on both physical and mental characteristics." \$2.45.

488. Eco-Catastrophe, by the Editors of Ramparts. San Francisco: Canfield Press, 1970. Collection of articles which tend to see the destruction of the environment as an integral part of the general social crisis in America.

489. Fabun, Donald. Dynamics of Change. Englewood Cliffs, New Jersey: Prentice-Hall, 1967. Wide range of subjects covered; changes brought about by the tele-mobility and automation and confronts reader with projection in to the future. \$8.95.

490. Fagin, Henry and Robert G. Weinberg, eds. Planning and Community Appearance. New York: Regional Plan Association, 1958. Introduction to problems of public aesthetic controls. Mature, possible text. Paperback.

491. Farb, Peter and the Editors of Life. Ecology. New York: Time, Inc., 1963.

492. Farb, Peter. The Living Earth. New York: Harper & Row Pub. Inc., 1959.

493. Folta, Bernard and Richard Trent. Discovering Motives in Writing. New York: Harcourt, Brace & Jovanovich, 1972. Illustrated textbook including sections on experience and the visual, the language of vision, motives behind advertising, motives behind words, etc.

494. Frost, Robert. You Come Too: Favorite Poems for Young Readers. New York: Holt-Rinehart-Winston, 1959.

495. Galbraith, John Kenneth. The Affluent Society. Boston: Houghton Mifflin Co., 1958.

496. Gay, Kathlyn. Where the People Are: Cities and Their Future. New York: Delacorte, 1969. The magnetism of the city and its future; the individual's importance in the city. \$3.50.

497. Graham, Frank, Jr. Since Silent Spring. Boston: Houghton-Mifflin Co., 1970.

498. Habert, E. W. Asides in the Field. Washington, D.C.: The Nature Conservancy, 1969. A free publication suggesting field trips and in-class use in many subject areas.

499. Hall, Edward T. The Hidden Dimension. Garden City, New York: Doubleday & Co., Inc., 1966. An anthropologist examines man's use of space in public and private places. Discusses relationships between crowding and social behavior and our sensual perceptions of space. Important. \$1.45.

500. Halprin, Lawrence. Cities. New York: Reinhold, 1963. Satisfaction for the personal, physical and psychological needs of man in the city. For younger people, a picture book of what cities ought to be like.

501. Halprin, Lawrence. Freeways. New York: Reinhold, 1966. What freeways have done to us and what to do about them. Brief text accompanies the problem stated visually. Imaginative.

502. Halprin, Lawrence. New York, New York. New York: Chapman Press and City of New York, 1968. Study of quality, character, and meaning of open space in urban design. Suggests ways of approaching problems. \$15.00.

503. Hauser, Phillip, ed. The Population Dilemma. Englewood Cliffs, New Jersey: Prentice Hall, Inc., 1963.

504. Hauser, Phillip. Population Perspectives. New Brunswick: Rutgers University Press, 1961.

505. Hawkes, Jacquette. A Land. New York: Random House, 1952.

506. Hawkes, Jacquette. Man on Earth. New York: Random House, 1955.

507. Hawkes, Jacquette. A Woman As Great As the World & Other Fables. New York: Random House, 1953.

508. Herfindahl and Kneese. Quality of the Environment. Baltimore: Johns Hopkins Press, 1965.

509. Hosken, Franziska P. Language of Cities. New York: MacMillan, 1968. Introduction to basic elements of city. Related slides available. Arch. Color Slides, 187 Grant Street, Lexington, Massachusetts 02173. With texts and teaching guide. \$9.95.

510. Isenberg, Irwin, ed. The City in Crisis. New York: H. W. Wilson, 1968. A paperback -- a collection of articles from newspapers and magazines. Particularly valuable for use in the classroom. \$3.50.

511. Kormondy, E. J. Concepts in Ecology. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1969.

512. Krutch, Joseph Wood. Great Chain of Life. New York: Pyramid Pub. Inc., 1957.

513. Lerrick, Nancy. On City Streets. New York: Bantam Pathfinder Editors, 1968. Anthology of Poetry about the city and its people. Illustrated. \$.75.

514. Leopold, Aldo. A Sand County Almanac, and Sketches Here and There. New York: Oxford University Press, 1949. A classic work in conservation literature. Beautifully written descriptions.

515. Liston, Robert A. Downtown: Our Challenging Urban Problems. New York: Delacorte, 1968. Discusses with great perception the broad spectrum of problems which face urban areas.

516. Lowe, Jeanne R. Cities in a Race with Time. New York: Random House, 1967. Urgent problems of large urban areas in America today. Well written.

517. Lyon, Danny. The Destruction of Lower Manhattan. New York: Macmillan, 1969. Shows destruction of an historic Manhattan neighborhood in thoughtful photographs. A graphic protest.

518. McBee, Dalton H. Writers Journal: Explorations. New York: Harcourt, Brace, Jovanovich, 1972. A textbook for writing. Sections on perception and observation which could be used in environment context.

519. McCullough, David G. "The Lonely War of a Good Angry Man." American Heritage, December 1969, 97-113.

520. McHarg, Ian L. Design with Nature. Garden City, New York: National History Press, 1969. Man's relation to his environment as a whole. To be considered for every school library for many uses. Paperback also.

521. Malthus, Thomas, Julian Huxley and Frederick Osborn. On Population: Three Essays. New York: New American Library, 1960. Classic works on this particular problem.

522. Mannix, Daniel P. The Last Eagle. New York: McGraw-Hill Book Company, 1966.

523. Masters, Edgar Lee. The Spoon River Anthology. New York: Macmillan Co., 19 .

524. Mayerson, Charlotte Leon. Two Blocks Apart. New York: Avon, n.d. The lives of two boys from New York City are contrasted in this short book that was edited from taped interviews. Reveals effects of their environment. \$.60.

525. Merriam, Eve. The Inner City Mother Goose. New York: Simon & Schuster, 1969. A rewording of Mother Goose which presents a picture of grim existence of ghetto children. Striking photographs.

526. Moore, Janet Gaylord. The Many Ways of Seeing. New York: World, 1967. An introduction to aesthetics. Illustrated.

527. Moore, Lillian. I Thought I Heard the City. New York: Atheneum, 1969. Poetry evoking the city in its many faces.

528. Morris, Desmond. Naked Ape: A Zoologist's Study of the Human Animal. New York: Dell Publishing Co., 1967.

529. Munari, Bruno. Circus in the Mist. New York: World, n.d. The book is a work of art. Shows changes in the city's moods and colors. Poetic text.

530. Munzer, Martha E. Planning Our Town. New York: Knopf, 1964. One of few books specifically for young people concerned with city planning. Very useful.

531. Newhall, Nancy, ed. Words of the Earth, by Cedric Wright. San Francisco: Sierra Club, 1960.

532. Orwell, George. Coming Up for Air. London: Secker & Warburg, 1939.

533. Owings, Nathaniel. American Aesthetic. New York: Harper, 1969. Looks at past mistakes in controlling environment. Suggests action for future. Many photographs.

534. Odum, Eugene P. Ecology. New York: Holt, Rinehart & Winston, Inc., 1963.

535. Paddock, W. Famine 1975. Boston: Little, Brown, 1968.

536. Packard, Vance. The Waste Makers. New York: David McKay Co., Inc., 1960.

537. Population Reference Bureau. This Crowded World. Washington, D.C.: Columbia Books, 1970. To: 424 Southern Building, N.W., Washington, D.C. 20005. (grades 4-6) \$2.00.

538. Population Reference Bureau. People. Washington, D.C.: Columbia Books, 1970. Address: 424 Southern Building, N.W., Washington, D.C. 20005. (grades 7-9) \$1.50.

539. Population Reference Bureau. The World Population Dilemma. Washington, D.C.: Columbia Books, 1970. Address: 424 Southern Building, N.W., Washington, D.C. 20005. (grades 10-12).

540. Porter, E. In Wildness is the Preservation of the World. New York: Sierra Club-Ballantine, 1967. Selections from H. D. Thoreau.

541. Pringle, Laurence. The Only Earth We Have. New York: Macmillan, 1969. Focuses on problems of water and air pollution brought about by 20th century technology. Photographs.

542. Rasmussen, Steen Eiler. Towns & Buildings. Cambridge: Harvard University Press, 1951. Visual principles of city organization. Non-American examples. \$4.25.

543. Richards, Brian. New Movement in Cities. New York: Reinhold, 1966. Discusses movement and transport of people within the city. \$2.75.

544. Rienow, Leona and Robert Rienow. Moment in the Sun. New York: Ballantine Books, Inc., 1969. A handbook on environmental pollution.

545. Rudofsky, Bernard. Streets Are for People. Garden City, New York: Doubleday, 1969. Role of the street in the community. Discusses the street as the lifeline of urban civilization. Illustrated. \$14.95.

546. Schlivek, Louis B. Man In Metropolis. Garden City, New York: Doubleday, 1965. A non-fiction book about fifteen individuals and how they interact with their environment. Each person relates to the city from a different social and economic position. \$7.50.

547. Schwartz, Alvin. Old Cities and Towns. New York: Dutton, 1968. Historical view of city planning.

548. Scientific American. Cities. New York: Knopf, 1965. A collection of papers heralding the opening of a new phase in human evolution--urbanization and the megalopolis. Final chapter on humanizing the city. \$2.45 paperback.

549. Smith, Herbert H. Citizen's Guides to Zoning, Planning and Urban Renewal. Chandler-Davis, 1969. Explains difficult concepts in laymen's terms.

550. Speiregen, Paul D. Urban Design: The Architecture of Towns and Cities. New York: McGraw Hill, 1965. An aesthetic reflection of man's interaction with nature in America. \$12.50. 8-12.

551. Spencer, J. E. and William L. Thomas. Cultural Geography. New York: Wiley, 1969. Written as a text. A basis for study of man and society and their effect on the earth.

552. Steward, George R. Names on the Land. Boston: Houghton-Mifflin Co., 1958. Non-fiction, historical account of place-naming in the U. S.

553. Stewart, George R. Not So Rich as They Think. Boston: Houghton-Mifflin Co., 1967. Light discussion of refuse and refuse disposal.

554. Stewart, George R. ...Storm. New York: Random House, 1941. A novel which considers the environment and human ecology.

555. Sutton, James. Signs in Action. New York: Reinhold. Pictures of signs, and a discussion of their functions as a medium. \$2.25.

556. Taylor, Joshua C. Learning to Look: A Handbook for the Visual Arts. Chicago: Phoenix Books, University of Chicago, 1963. Initially designed as a guide book for the art portion of a humanities course.

557. Thomsen, William F. Media & Communication. New York: Harcourt, Brace, Jovanovich, 1972. Perception and environment are two of several relative aspects explored in this textbook. Thought-provoking questions and exercises.

558. Thoreau, Henry David. The Portable Thoreau, ed. Carl Bode. Rev. ed. New York: Viking Press, 1947.

559. Thoreau, Henry David. Walden: or, Life in the Woods. New York: Apollo Editions, 1955.

560. Tunnard, Christopher. City of Man. New York: Scribner's, 1953. Traditions which have formed our cities, and the human qualities which next need to be brought forth. A possible text with the aid of supplementary visual material.

561. Udall, Stuart. Quiet Crisis. New York: Holt, Rinehart & Winston, Inc., 1963.

562. U. S. Government Printing Office. Superintendent of Documents. No Laughing Matter. Washington, D.C.: U. S. Government Printing Office, 1970. A book of syndicated cartoons on air and water pollution. \$.70.

563. Vogel, Ray. The Other City. New York: David White, 1969. Four teenage boys explore their part of the city with their own photographs and words. All ages.

564. White, E. B. Here is New York. New York: Harper & Row, n.d.

565. Whole Earth Catalogue. Portola Institute, Inc. The Catalogue functions as an evaluation and access device and lists books or items that are useful as tools relevant to independent education. It is indispensable as a tool for procuring current information. \$4.00.

566. Zevi, Bruno. Architecture As Space: How to Look at Architecture. New York: Horizon, 1957. Reality of a building not in its roof and walls, but rather in the space they enclose. \$10.00.

PART VI. MATERIALS. B. FILMS AND FILMSTRIPS

567. "Applied Ecology." McGraw-Hill. 28 min. 1961. Use and misuse of the soil. Describes measures designed to reduce waste. Rental \$12.85.

568. "The Art of Seeing." Warren Schloat, 6 filmstrips, color, sound. These filmstrips explore the vocabulary of the visual.

569. "Big City--1980." Carousel Films. n.d. 55 min. b/w. Prediction that the U. S. will be 95% urban by 1980. Rental \$14.60.

570. "Big City--U.S.A." Eye Gate House, Inc. 1968. Filmstrip. Eight filmstrips which depict life in a big city. Others are: "Housing in Big City", "Food for Big City", and "Big City Workers".

571. "The Changing City." Churchill Films, 1963. 16 minute color. Describes the economic, social and cultural advantages of the city that have caused its enormous growth; contrasts the advantages of new suburban homes with some of the serious problems raised by their proliferation.

572. "Cities in Crisis: What's Happening?" Universal Education and Visual Arts. 1968. 21 minute color. An impression, without words of a large American city allows the viewer to identify urban problems and prompts him to consider solutions.

573. "Cities of the Future." McGraw-Hill. 1967. 25 minutes, color. Suggests possible solutions to problems through examples which include Reston, Virginia. Rental \$9.35.

574. "City and Suburb--Crisis and Opportunity." Current Affairs Films.

575. "City by Design." John C. McComb. 27 minutes, color. An Alcoa Project.

576. "The City and the Future." Sterling Educational Films.

577. "The City, Cars or People." Sterling Educational Films. 1963; 30 minutes. Black and white. Study of transportation in New York, Paris and Rotterdam. Rental \$6.00.

578. "The City Community." Encyclopedia Britannica Films, Inc. 1950. Set of films which show aspects of life in the city. Included are: "Future of Our Town," "Living in the City," "Here is the City," "How Our Town Grew," "Problems of the City," and "Keeping the City Alive."

579. "The City: Heaven and Hell." Sterling Educational Films. 1963; 30 minutes; black and white. International views and reviews of the city.

580. "City in Trouble." Stuart Finley, Inc. 1960. 20 minutes; color. The city is Washington, D.C.--its problems and attempts at planning.

581. "A City is Many Things." Churchill Films. 5 filmstrips, color. Silent. Portrays an urban child's introduction to his environment.

582. "City of James Joyce." 10 minutes, black and white. Influence of the urban environment of Dublin on the writing of Ulysses. Suggest forces in Irish life which influenced the author.

583. "A City Reborn." Sterling Movies, Inc. 1966, 21 minutes; color. A chronological view of the problem of the mall in California, past, present, and future.

584. "City Scene." National Film Board of Canada. 30 minutes; black and white. A comparison of international city squares.

585. Conservation for Today's America Series. Soil Conservation Today, Water Conservation Today, Forest Conservation Today, Wildlife Conservation Today, Mineral Conservation Today, Urban Conservation Today, Land Conservation Today, and Society for Visual Education.

586. Conservation in the City. Part I: Underfoot 11501; Part II: Eye Level 11502; Part III: Overhead 11503. Encyclopedia Britannica.

587. "A Different Kind of Neighborhood." Universal Education. Color; 21 minutes. Problems of urban renewal, importance of city planning and how they affect the population.

588. Ecology and Man Series Set 1. McGraw-Hill. Introduction to Ecology 613376, Changes in Ecosystems 613377, Energy Relationships 013378, Habitats and Niches 613379, Populations and Biomass 013380.

589. Ecology and Man Series Set 2. McGraw-Hill. The Forest Biome Part 1 67-2827, The Forest Biome Part 2 67-2828, The Grassland Biome 66-3410, The Desert Biome 67-2824, Fresh Water Ecology 67-2829, Seacoast Ecology 66-3420.

590. Ecology and Man Series Set 3. McGraw-Hill. Man-Managed Ecosystems 66-3416, The Management of Soil 66-3417, The Management of Water 66-3418, The Ecology of Farming 67-2825, Competitive Land Uses 67-2823, Human Ecology 66-3413.

591. "Ecology of Man." Graphic Curriculum, Inc. n.d. 30 minutes; color. Discussion of man's need to learn an ethical attitude toward nature in order that his descendants may survive. Rental \$7.70.

592. "Exhibition in Moscow." Herman Miller, Zeeland, Michigan. 1959. 55 minutes; color. No charge. Despite this film being 11 years old, it is an excellent, detailed, and beautifully photographed portrait of Moscow.

593. "Green City." Stuart Finley Films. 1963. 23 minutes; color. Stress is on conservation of natural beauty by city planners.

594. "The Heart of a City." Sterling Educational Films. 1963; 30 minutes; black and white. Historical and philosophical evaluation of the city.

595. "House of Man - Our Changing Environment." Encyclopedia Britannica Films. 17 minutes; color.

596. "Housing & Nature." Tribute Films, Embassy of Finland. 1966, 24 minutes; color. Sensitive survey of urban problems in Helsinki.

597. "How to Live in a City." National Educational Television. 1964, 30 minutes; black and white. Are monotonous architectural ideas making conformists out of city dwellers. \$5.00.

598. "How to Look At a City." N.E.T. Film Service. 1964; 30 minutes; black and white. One of the eight-part "Metropolis, Creator or Destroyer?" series. Filmed against the bustling background of New York City's tenements. Rental \$5.00.

599. Interdependence of Living Things. McGraw-Hill. Introduction to Ecology 61-3356, The Web of Life 61-3359, Animal and Plant Communities: Forest 61-3360, Animal and Plant Communities: Field 61-3357, Animal and Plant Communities: Pond 61-3358, Animal and Plant Communities: City 61-2990.

600. "John K. Galbraith: The Idea of the City." University at Large; sound, 28 minutes; color. Galbraith discusses the "new organic concept of the modern city."

601. "The Language of Cities: Visual Aid Supplement." SEE: Hosken, Franziska.

602. "Later Perhaps." New Jersey State Council for Environmental Education.

603. Living Things in the City. Encyclopedia Britannica. Finding Living Things in the City 11721, Plants and Animals in a Vacant Lot 11722, Flowering Plants in the City 11723, City Plants Without Flowers 11724, Helpful and Harmful Plants of the City 11725, Collecting Plants in the City 11726, How Insects Find a Place to Live 11727, How Animals Grow in the City 11728, Helpful and Harmful Animals of the City 11729.

604. "Man in a Hostile Environment." Current Affairs Films.

605. "Man-Made World." International Film Bureau. Color, with booklets, filmstrip. Includes: "Environment," "Man & Machine," "Who Cares," and "Change is Normal."

606. "Marshall McLuhan: Picnic in Space." University at Large; sound; 28 minutes; color. McLuhan examines concepts of space--interior space, visual space, outer space, and auditory space.

607. "Megalopolis - Cradle of the Future." Encyclopedia Britannica Films. 1962; 20 minutes. A factual statement of the problems of the city dweller and the necessity for planning.

608. "Myths and the Parallels." Association Films.

609. "New Earth." Ivens Joris. 1944, 22 minutes. Ten-year reclamation project in which sections of the Zuider Zee in Holland were filled in to create new land.

610. "No Time for Ugliness." American Institute of Architects. 1965; 24 minutes; color. Explores the way in which the population explosion and indiscriminate construction have defaced the landscape. Clearly indicates how environments can be improved and encourages changes at local levels.

611. "Noise: New Pollutant." Extension Media Center. 30 minutes; black and white. Reports on research into harmful effects of noise on human beings.

612. "Open Space, Going...Going..." Modern Talking Picture Service. HUD Produced. 1969; 28 minutes; color; no charge. Illustrates urgent need for acquiring open spaces in rapidly growing areas, new ones in inner-cities and suburbs.

613. "Our Changing Environment." Encyclopedia Britannica Films. 17 minutes; color. Man's increasing power to control his environment has created new pressures and problems for the modern city.

614. "Pandora's Easy Open Pop-Top Box." Environmental Control Administration. 15 minutes; color. Free. A dramatic presentation of the effects of uncontrolled urbanization.

615. "People by the Billions." McGraw-Hill. 1961. 28 minutes; black and white. Implications of the population explosion are explored.

616. "A Plague on Your Children." BBC. 72 minutes; black and white.

617. "The Poisoned Air." Extension Media Center. 50 minutes; black and white.

618. "Pollution." Astrafilms, Inc., National Medical Audio Visual Center. 1968, 4 minutes; color. Tom Lehrer sings satirical lyrics while camera scans nauseating scenes of filth, garbage, smoke, dirty water and industrial waste. A memorably effective message.

619. "R. Buckminster Fuller: Primer of the Universe." University at Large. Sound, 28 minutes, color. Fuller presents his theories of the universe.

620. "Right of Way." Sterling Movies. 1968. 13-1/2 minutes; color. Shows how highways can ruin cities and how through good design and relation to other elements in the urban fabric, highways can be employed to improve urban environment.

621. "River - An Allegory." Montclair State College.

622. "Silent Spring of Rachel Carson." Audio-Visual Center, Indiana University. 54 minutes; black and white. Presents a wide range of opinion concerning pesticides. Cost unknown.

623. "Suburban Living." National Film Board of Canada. 1960, 58 minutes. Comparison of experimental, non-luxury housing developments in foreign cities.

624. "Survival in a Polluted Environment." Current Affairs Film.

625. "Tom Lehrer Sings Pollution." Public Health Service. 3 minutes; black and white. Free. This service has many heavily subscribed air pollution films.

626. "24th and Tomorrow." Frederick Martin, ACI. 22 minutes. Story of a one-man crusade against the decay of his neighborhood is given dramatic documentation. The story leads to the formation of a Neighborhood Improvement Association.

627. "Urbanissimo." Contemporary/McGraw. 8 minutes; color. Humorous commentary on the modern urban civilization.

628. "Why Man Creates." Modern Talking Picture Service. 1968; 25 minutes; color.

629. "The Window." National Audubon Society.

630. "Year 1999 A.D." Ford Motor Company. 1968. 27 minutes; color. A look at the city of the future where life is simplified and regulated by the computer. Rental \$3.50. Available from AV Extension Service, University of Minnesota.

FILMS AND FILMSTRIPS - SOURCES

ACI Products
16 W. 46th Street
New York, New York 10036

American Institute of Architects
The Octagon
1735 New York Avenue, N.W.
Washington, D.C. 20006

Association Films
600 Grand Avenue
Ridgefield, New Jersey 07657

British Broadcasting Company
Peter M. Robeck
230 Park Avenue
New York, New York 10017

Churchill Films
662 N. Robertson Boulevard
Los Angeles, California 90069

Contemporary Films
267 W. 25th Street
New York, New York 10001

Current Affairs Films
Division of Key Productions
527 Madison Avenue
New York, New York 10022

Encyclopedia Britannica Films
38 W. 32nd Street
New York, New York 10001

Environmental Control Administration
12720 Twinbrook Parkway
Rockville, Maryland 20852
Attention: Tom Edgar

Extension Media Center
University of California
Berkeley, California 94720

George C. Stoney Associates
Brook Studios
Brookhaven, New York 11719

International Film Bureau
332 S. Michigan Avenue
Chicago, Illinois 60604

John C. McComb
Century City
Los Angeles, California

Kaiser Corporation
Kaiser Center
Oakland, California

Modern Talking Picture Service
Sponser Desk
1212 6th Avenue
New York, New York 10036

Montclair State College
Audio Visual Department
Upper Montclair, New Jersey

National Audubon Society
Photo and Film Department
1130 Fifth Avenue
New York, New York 10028

National Educational Television Film Service
Indiana University
Bloomington, Indiana 47405

New Jersey State Council for Environmental Education
345 Route 46
Mountain Lakes, New Jersey 07046

Public Health Service
Audio-Visual Facility
Atlanta, Georgia 30333

Society for Visual Education
1345 Diversey Parkway
Chicago, Illinois 60614

Sterling Educational Films
43 W. 61st Street
New York, New York 10023

Stuart Finley, Inc.
3428 Mansfield Road
Falls Church, Virginia 22401

Tribute Films, Inc.
32 W. 32nd Street
New York, New York 11719

Universal Education & Visual Arts
221 Park Avenue
New York, New York 10003

University at Large
Chelsea House
70 W. 40th Street
New York, New York

PART VI. MATERIALS. C. GAMES.

631. "Blacks & Whites." Psychology Today Game. \$6.95. Developed by Pat Sommer, Judy Tirt. Racial aspects of real estate market.

632. "The Cities Game." A Psychology Today Game. \$6.95.

633. "Confrontation: Game of Students and Protesters vs. the Establishment." Gini Scott. The student protest movement. Available from John N. Harsen Co., 369 Adrian Road, Millbrae, California. \$6.00.

634. Freedman, Dorothy and Geraldine Richelson. The City Book. New York: Harlin Quist, Inc. Collection of puzzles, games, stories, riddles, designed to make children aware of their city. \$1.95.

635. "Mulberry." Dr. Dorothy Dodge and Jimmie Powell. A simulation of an urban renewal project. Department of Political Science, Macalester College, St. Paul, Minnesota. Sample, \$3.00, series, \$50.00.

636. "Pollution." C. Abt Associates Inc., 55 Wheeler Street, Cambridge, Massachusetts 02138. \$6.00. A game to teach students the social, political and economic problems.

637. "Possum Creek Valley." Southern Forest Institute, Atlanta, Georgia. Simulation game for use in the classroom to impart forestland-management concepts in relation to modern social needs.

638. "Simsoc: Simulated Society." by William A. Gamson. New York: Free Press. 1969. Instructor's Manual, Participants Manual.

639. "Society Today." Psychology Today Game. \$7.95.

640. "Urban Dynamics." Loel A. Callahan II, Dwight A. Caswell, Jr., et al. Emergence and development of a metropolitan area. 1-20 players. Available from: URBANDYNE, 5659 S. Woodlawn Avenue, Chicago, Illinois 60637. \$95.00.

641. "Youth Culture Game." Relationship between subculture of youth and the dominant American culture. Available from URBANDYNE, 5659 S. Woodlawn Avenue, Chicago, Illinois 60637. \$15.00.

PART VI. MATERIALS. D. POSTERS.

642. Poster Makers, Inc. Address: 7519 Melrose Avenue,
Los Angeles, California. Telephone (213) 653-0541.
Suppliers of ecology posters. Twenty-four different
types, \$2.50 each.

COUNCIL OF PLANNING LIBRARIANSExchange Bibliography #274

A SELECTED BIBLIOGRAPHY ON THE RELEVANCE OF ENVIRONMENTAL
EDUCATION TO SECONDARY SCHOOL CURRICULA

Additional copies available from:

Council of Planning Librarians
Post Office Box 229
Monticello, Illinois 61856

for \$6.00.



UNIVERSITY OF ILLINOIS-URBANA
016 7114C73E C001
EXCHANGE BIBLIOGRAPHY URBANA ILL
273 279 1972

3 0112 029109045